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AN IMPORTANT FEATURE OF THE INTERNATIONAL ABSTRACT OF SURGERY

Surgical literature, not alone of the English speaking countries, but of all countries, has, in the opinion of many of the most prominent men in the profession, been decadedly deficient in one respect, that of furnishing under one cover a comprehensive review of all the worthy surgical articles appear

ing in the numerous medical publications of the world.

To supply this demand The Interactional Asstract or Strocky was established in February of this year as a supplementary publication to Surgery Gyrecology and Ossteraca. In addition to familishing abstracts of articles that appear either as regular publications or in the form of monographs, we propose to include as well abstracts of the important paper read at meetings of all the leading surgical and other special societies throughout the world. In this way our reader are supplied with the meat of the transactions of these important societies at the earliest possible date of the transactions of these important societies at the earliest possible

In this number will be found abstracts of the important papers read at the Congress of American Physicians and Surgeoss held in Washington in May which includes the transactions of the American Surgeosl Association, the American Gynecological Society the American Surgeosl Association of Genticultrian, Surgeosl the American Orthopolic Association of Genticultrians, Surgeosl the American Orthopolic Association of Enthological Association, the American Neurological Association of Pathologists and Bacteriologists. Abstracts of the transactions of the American Ophthalmological Society American Ottological Society and American Pathological Society and Camerican Pathological Society and Camerican Surgeoslassics of the Surgeoslassics of the August 1890 being omitted from this number because of lack of stace.

In the same manner there will appear beginning in this issue compretensive abstracts of papers read at the recent assatous of the two most important surgical societies of Germiny. Deutsche chirurgische Kongress and Deutsche Gesellschaft für Gynäkologie.

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Journal de Chrurgle.

B CURGO J DUMONT A. GOSSET P LECENE, CH. LEMORMANT R. PROUST.

Zentrolblati for du pesande Chirurgie und ihre Geenzgebide A. Bier, A. Fre. von Eiselsberg C. Franz, O Hildebrand A. Köhler, E. Körler, F de Quervain V Schmeden.

Zentrelblatt für die gesamte Gynähologie und Geburtskilfe sowie deren Grensgebiete.

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INTERNATIONAL ABSTRACT OF SURGERY

JULY 1913

ABSTRACTS OF CURRENT LITERATURE

GENERAL SURGERY

SURGICAL TECHNIQUE

ARPSTRUCTICS

Hierawaki The Glands of Internal Secretion in Case in which Death was Due t Chloroform (Statert swinter chloroform, groccoly events any systetians) Lnowell Typotek kk 9 3, rfl. 97 By Zostrafal I d. pm. Grakk w Gebertek a d. Greangth.

The a ther describes the case of a ma 52 years of age in whom death occurred twenty-four boors after extirpation of the laguinal glands. Collapse symptoms supervened during the period of anes-thesis. At autopsy the suprarensis showed ends tentis bhterans and marked fibrosis, so that the relation between the normal adrenal cortex and the pathologically involved cortex was as in the left gland, while on the right the proportion was as 35. Comparative weights showed the f actioning part of both cortices t weigh 50 gm. while the med-ullary parts weighed but 0.53 gm. The chromain cells of the right adrenal stained very poorly as did those of the sympathetic ganglion. As far as changes in the other glands of internal secretion are concerned the parathyroids abowed very few oxyphile cells the thyroid, which weighed 43 gm., contained 7 adenomators tumors & mm. in diameter These cell aggregations, microscopically according to Kocher description showing epithelial hyperplasia and small amount of colloid. The other glands of internal secretion showed no changes. Only traces of the thymns were found imbedded in the fatty tissue of the mediastinum Inasmuch as the heart showed no pathological changes, the author is of the opinion that death was due t adrenal insufficiency Hornowski further discusses the questions why with such marked hange in the suprarenals, no signs of Addison's disease were present, and also that the marked alteration in the thyroid produced no signs or symptoms ! Basedows disease. Its finally reaches the conclusion that both diseases are probably polygiandular diseases and not dependent upon bestons of the adrenals or thyroid.

J. Hernowski.

Jonnesco General Spinal Americanis (Uber die allgemeinerschemmerkandischeit) Leutelit. f Chir

9 L. rl. 400.

By Zentralbi, f. d. pos. Chir n. i. Grenzyeb.

According t the experience of Jonnesco an injection of stovalne combined with nitrat of strychnia may be made at any point of the spinal canal and without danger i the patient. In 938 operations be had two deaths, which in part were tiributable to other causes. The injections produce a complete amenthesis from head to foot. For amenthesis of the head, neck opper extremities and thorax, the injections should be made between the first and second dorsal vertebrae for anasthesia of the thoraco-abdominal region, the abdomen, pelvis and lower extremities, it should be made between the swelfth dorsal and first lumba vertebenpreparations are kept steril in two ampoules, according t the method of Racowitzz. One contales the proper dose for pure stovalne the other an aqueous solution of strychnia. One com. of the strychnia sol tion is drawn into the sterile syrings and emptied into the ampoule containing the stovaine the solution is then ready for use. The maximum dose of stovaine is as follows For adults lower portion of body 6 rg. pper portio of body 2-3 cg. For children and adolescents lower por tion of body 4 cr upper portion of body 0.15-

cg. The doar of strychnia for amenthesis of the lower portion of the body is mg. for each cc. in adults in younger individuals a.5 mg. for anesthesis of the upper portion f the body the dose it strychnia is mg. in dults and a.5-a.5 mg. per cc. in children and adolescents. If the general condition is bad, as in acheria, in acert or chronic infections, shock or cuts anemia, M t. M of the original dosage is sufficient. T avoid cerebral amenia, perspiration and similar conditions, the patient should be placed in donal position immediately after the puncture. Stiff better passeture may be performed in the lateral position. Tracer.

II rris Hyoscine-Morphia Anaesthesia for Alcohol I jection in Neuralgia. Lencet Lond 9 3. classiv 83 By Sorg Gyner. & Obst.

thor has treated a cases of trigeminal neuralgia besides numerous cases of supra-orbital aid other forms of neuralgia. He doubts the possibility of finding with needle the nerve trunks of the three divisions of the fifth nerve and of injecting them with alcohol, especially at their deep foramina of calt from the shull, without causing so much pain as t make it a practical impossibility for large proportion of subjects, especially omen of DELLACOR type and already worn out with pain. If has alway med the route described by Levy and Baudon in and also by Stoard, which the needle is thrust through the side of the check underseath the sygoma-into the sygomatic fossa. The only satisfactory proof that the sorre had been properly injected is angesthesia of the kip and procous membrane in the distribution of the nerve. Strong sloohol, when injected into the nerve trunk, instantly causes destruction of the perve fibres with a high it comes int contact. As rule be gives 35 gr f morphis with

so gr f broeche hypodermically into the arm or animates before commending the isjection process. When the needle is puroaching the foremen ovale be patient arrally above some graptoms of sensitiveness, though it is not until the nerve is actually struck that a tingling sensation is felt in the lower tip and tongue hen this occurs the strylet should be removed from the needle on writers filled with

114 per cent eucaine solution fitted on, and few

drops then slowly injected. After the tapec of half a minute few drops of oo per cent | leohol should be injected slowly into the same spot. Almost instantly as soon as a few drops of alcohol have been injected int the perve sense tion f touch and pinprick becomes blunted on the im and slowly, two or three drops at a time, more spirit is injected until the enerthesis is complet and the purposek is not felt at all even as pressure.
Usually t 14 cr. are required to produce this effect. The injection of the second division in the aphenomazillary fossa is much less painful that is the corresponding process for the third division t the forumen ovale. However the extraordinary calming effect of the byoscme and morphine is most valuable nd patients who are suffering severe spasms of pain, or who are very nervous, will keep quite quet and peaceful during the hole process, and yet will be able t answer at once t the skin tests for enresthesia. If has seen only one case in which any III effects occurred nd this was only DOKALD C BULFOUR. temporary

Sterera Paralysis of the Phrenic Nerve in Pierus Anserthesia after Kulenkampff (Phrenicash), print bei Pierussateiheuse auch Kolenkampf), Zeulvield f he 0 1, 21, 13.
September 1 200 pr. 1, 21, 13.

Titteen rainnies after the nursi plenus amenthes with a root mot a 5% provocation-betwhom to short to for parathesis of the ulmar nerve, the patient began to compilate of patis in the virght side of the chen. At the same time a croopous respiration like that is day pleening developed. There was pain on present in the region of the 8-o-ribs, and a diminished extension of the lower border of the imag on deep respiration. One examining with the V-ray there was difference of the width of a hand from the left side on deep respiration. During the next three days the distribution distributed quickly only mild crepture and diminished breath sounds could be determined. On the fourth they V-ray

gein showed normal conditions, The author discusses the possibility of the faffuence of the endoneural injection int the main trunk of the phrenic nerve in the neck, producing subfascial diffusion, and an influence on the anterior and medial branches which descend to the dome of the pleurs. The first method seems t him improbable. The pain can be explained by the effect on the sensitive fibres of the nerve. The fact that the symptoms do not regress as soon as the effect of the anesthera is worn off leads one to think of mechanical injuries (keemorrhage escape of air from the poactured home) The first danger can develop only after an abready existing disease of the lung-bilateral peralysis of the disphragm does not result in asphysia according t Ducheane. That the coadition resulted from an injection int the pleura, the athor thinks improbable because no plearitis developed. KULTULETT

Boothby: Present Day Methods of Azzesthesis. J. Meins M. Azz. 9 J. B., 9 By Sarg., Gynec. & Obst.

From the point of view of the recent research work is asserthesis, Boothby discusses the subject under three distinct headings () The pharmacological problem () the mechanical problem, and (1) the physiological problem.

Under the pharmacological problem is considered the advantages of ailures ordiscaymen-ther as opposed to ordinary ether, of the former is strongly provered if the following isolatemental principles are observed () widnance of cytanosis at any time () relization obtained by the addition of proper amounts of other (s) the wallability of an pransition of the contraction of t

safely and satisfactorily than ordinary ether and requires large experience and costly apparatus, yet when mastered it is at present the best method.

In connection with the mechanical problem, which dash with the maintaining of free current of all through the mouth pharyms, and isryan, Boothing at through the method of hirst trached insufficient originated by Melters and Austra trached insufficient originated by Melters and Austra the Critic name tubes, and the Davis-Sexall mouth aga. Intratrached insufficient in intrathenets operations is, without question, the method the used. In advantages in tongue operations are very spent its view in is debatable in intractual operations and eisewhere it is not indicated except for obtaining practice in the method. In the hands of those well trained in its difficulties and the avoidable dangers, it is justifiably self. For those untrathed

in fix use, the Crile nasal tubes or Davis-Sewall mouth gaps are preferable.

The physicalogy of respiration is also discussed at some length, and attention is called to the dangers of apnors after period of excessive breathing as well as the possibility that capita is one of the

conditions causing surgical shock.

Bloodsood Studies in Blood Pressure Before, During and After Operations Under Local and General Assenthesis. T. As. Gree. Sc., 9 k May By Surg., Gree. & Obs.

Now that the mortality due to infection from faulty technique has been practically eliminated the mortality from shock due to the trauma of the operation and the general anesthetic—chloroform or ether—has become more prominent in the minds of observing surgeons.

The two factors over which we have the greatest control in shock during operation are the traums of the operative procedure and the toxicity of the general amenthetic.

Ether has been substituted for chieveform, between the kes totle. At the present time titrous critical and organisary testing the place of either for the same reason. Training from the operative manipulations can be reduced to a certain critical by graile ness and care. There is no doubt, however that theoretically the employment of local amenthesis during the operation will block mort, a sile sensity affects to try to the temporary defents to try to the temporary defents the temporary discontent of the method with the content of the temporary discontent of the method with the content of the temporary discontent of the method with the method

Unfortunately for the development of this refinement I technique many operations can be performed on the ordinary individual with low mortality in spite of toxic general anexthesis and rough handling of the wound. Many surprons do not realize this element to their mortality in the post-operative complications, discomforts, and looper period of disability.

In order to appreciate the scottiveness of the different thesees and the difficulty of successfully assentietizing them by local ansenteesia, a surgeous usus perform as many operations under local ansentiesia as possible. Only in this w y will he

train bimself to successfully and completely isolate the brain from the field of operation. It is quite possible to imitirate the tissues partially without producing americais. If the patient is awake, the surroup will be informed at once.

Under chloroform and ether the patient remains quiet in spite of the most painful manipulations so one would never know when local amesthesia were employed in conjunction with these general anersthetics, whether it was accomplishing its bleet.

Nitrous oxide and oxygen has therefore a double advantage over either and chinoroom it is lisse toxic, and the general assertiness is so light that painful manipulations excite reflectes. The patisats move, muscles contract, so that under this general as exthesis one has almost as good an induct of the efficacy of one a local infiltrations as when the patient is availe.

The nitrons oxide and oxygen therefore obliter area psychic shock and produces no toxic shock. The local anesthesis obliterates the traumatic shock.

From the author's observations extending now over a period of more than three years, he has become convitered that the best index to the patients condition before during and after operation is the behavior of the blood pressures. During a successful operation under local assestinests, with or without nitrous ride and oxygen, the blood pressure maints more or less uniform. Sodden rives in the blood pressure indicate painful manipulations. When continued, these manipulations are followed by a facility of the continued these manipulations are followed by a facility of the continued these manipulations are followed by a facility of the continued these manipulations are followed by a fail of the blood pressure, the surpron knows that his patient is in poor condition to withstand further transmitted abock.

Successfully employed, the combination of nitrous oxide and oxygen with local angesthesia will reduce the mortality in all these operations in which the mortality is due to shock. The author is confident of this. In all cases it will diminish the post operative complications and discomforts and short en the period of disability. These statements are based upon a large umber of cases, but chiefly upon an observation of fifty resections of the colon. In ten cases there was, in addition, an operation upon the stomach 8 resections, pyloroplastics. All of these patients are bad operative risks. There was not single death from shock, although the average time of operatio was at least three hours. There were three deaths one from acidoels present before operation, not relieved by operation one from thromboels and embolism one from intestinal betruction. In the majority of these cases the convalescence after operation was less trying to the patient than after an ordinary quick appendectomy under ether narcosis and not com-bined with local anesthesis.

The a the would not dare to attempt the resection of the colon under the ider methods of an exthesia combined with the most rapid operation but without local anisythesis.

SURGERY OF THE HEAD AND NECK

desendri and Chiavaro Resection of Three-fourths of the Lower Jaw by th Boccal Reute and New Method for Mandibular Prothesia (Résection des trois quarts de la michoire inférieure pa vois baccale et nouvelle solthode de prothèse mansibulaire définitive). Peledia., Rome, By Journal de Chirurgie. 0 3 15, 40

A young girl, 18 years old had noticed three years previously a tumor in the right half of the lower jaw. It was operated upon and she was toki that it contained three teeth. After the operation the tumor of the bone persisted and grew in size causing

fieshy swelling on the gum,

On examination of the face it was found to be greatly deformed by a swelling in the lower part of the right cheek. The tumor which was the size of an orange, was irregularly ovoid in shape, with its long axis directed backward and to the left it presented a smooth surface.

Operation. Two small incisions were made, one in the left submental region and one behind the right ascending breach bout hell way up. Alessendri cut the bone at these to points with Gigli new thus separating the whole of the diseased por tion of the bone from the horizontal part on the left side to the vertical part on the right. H then rapidly removed the fragment by an incision in the gum enteriorly and in the buccal floor posteriorly with cutting of the muscular attachments nack ing and partial closure of the inchion in the nincosa. Chiavaro apparatus for prothess was used. Five weeks later some dhearons between the tongue and the floor of the mouth were cut. One mouth and one-half later the ound had healed compictely and the pparatts was firmly in place cure has been permanent and the result excellent both from an seatheric and functional point of

The fragment removed consisted of the whole of the nebt horizontal part and cm. of the left, the right angle and cm. of the right ascending portion. There was normal bone at the two ends from the angle up on the right and from the symphasis on the left. The intervening portion was deformed by

tumor which had enlarged the bone, especially in front, where a great part of the cortex was destroyed and there ppeared a feetly mass which was partly broken down and contained regions insitrated with blood

Histologically it was a mixed surcome with predominance of spindle cells and many giant cells.

This as the second case in which Alexandri had performed resection of the lower jaw for perfortest surround and used Chlavaro apparatus. The result in the first case was good as here though recurrence necessitated his dome the operation by the external route.

Il missets that it is better t perform more or less

complete resections or disarticulations of the law by the intrabuccal method, though it is more difficult. Not only does one thus void disfiguring scar but also this method is almost essential for the application of the prothetic apparatus of Chiavaro

In the second part of the paper which has many Mostrations, Chiavaro describes the technique which he med in this case in the construction and policetion of the postutus for prothesis. He then outhnes his experiences with heavy prothetic apparatus, temporary or permanent, ad points the advantages of his ver other methods, especially those of Martin, and ends ith the following cos-

Immediate temporary suppression of the appara tus for prothesis with rubber which does not offer sufficient resistance t the cleatricial contraction of the soft parts permits it t be raised up by the floor of the mouth against the remnants of hone. here it causes pressure ulcers to form and in each of which cases it is necreary to replace the pperatus prop-Suppression of the wings is maintained after the application of beavy permanent prothetic apparatus. A serious defect in mestication as the lateral movements of the faw are inhibited follows

when these are med. The weight and shape of the apparatus prevents the cicatricial contractions of the soft parts and serves t suppress the tendency to fixation which renders mastiration and propunciation difficult and starts irritation and inflammation of the

tioners. I case of disarriculation of the lower faw the use of heavy prothetic pparatus has the follo ing arl valida ger

Suppression of the ascending branches of the pparatus which are the cause of painful irritation of the articular surfaces at the base of the simil a account of the constant electricial retraction of

the roof of the mouth. Suppression of the palatine plate, for the heavy apparatus remains in place on account of its eight and special form.

Hudson Rub-Temporal Muscle Drained by the Aid of Silver Wire Drainage bi ta in Cases of Consenital Hydrocephatos. Ass Ser. Phile, 9 3, 1rd, 318. By Sorg., Gyasc. & Obst.

This paper has to do with description of the

technique of the operation as elaborated by the Az incision is mad posterior and above the right

car down to the temporal muscle. The muscle is then freed from its ttachment to the bone and the skull and dura opened. A long peneturing tube is then inserted int the brain until the cerebrospinal fluid flow from the open end. A permanent drainage tube is then inserted over the puncture t be and its outer end is connected t silver drainage mat. This mat was previously fi ed under the temporal muscle as soo as it w freed from the skull. The muscle is now carefully restored in place with the finest black silk and the scalp closed with the some material.

The operation must be carried out under absol to ly aseptic conditions. Several illustrations are given in the article showing the mats and tubes used in the operation James H SERIES.

Cushing Concerning the Symptomatic Differentiation between Disorders of the Two Lobes of the Pituitary Body with N res on a Syndrome Accredited to Hyperplasts of the Anterior and Secretory State or Insumficiency of the Fosterior Lobs. Am. J. M. S. 9 5 celv 3 3

The utbor assumes that every gland of internal secretion has definite clinical pacture associated with diminution or absence of its secretion and on the ther hand that a perversion or excess f the secretion of the gland will give a picture which is exactly opposite. The clinical pictures associated with dumin tuon or lack of secretio of the vacious glands of internal secretio have been pretty well worked out e.g. in the case I the adrenal and the amordated Addiso a discase thyrold insufficiency giving the clinical picture f myzordema para thyroid insufficiency giving the picture of tetany insufficiency of the islands I Langerhaus giving the condition of diabetes and metilating operations on the generative organs have given many opporturities to observe the effect prod ced by cheminating the internal secretions from these organs.

The hypothysis has been considered, until very recently as whole. B i turnber experimental and clinical evidence has shown that the gland has a danistic narrae and that the functions of the two parts are very different. The convergible inportion, the posterior lobs, discharges its secretion portion, the posterior lobs, discharges its secretion to be body in glanded extendible therefore this part of the body in glanded extendible the blood. The strictly epithelial portion, the anterior lobe, in a typical gland of internal secretion, as it discharges its secre-

tions directly into the blood stream. The anterior lobe elaborates harmony which stimulates growth and is chiefly related to factors of skeletal development. An excess of the secretion from the anterior lobe produces the clinical picture of cromegaly The posterior lobe has to despe cially with metabolic processes and especially with the aminilation of carbohydrates. A deficiency i its accretion leads to noticeable increase in the tolerance for sugars with associated tendency to adiposity subsormal temperature, somnolence dry akin, polydipala, and polytria, loss of hair characteratic psychic, often epileptiform, disturbances, etc - sort of pituitary myxerdems, as it were. An excess of posterior lobe secretion, on the other hand, causes those waste with loss of flesh relative intolerance for carbohydrates, often with

spo taneous glycomria, a moist skin, etc. symptoms the reverse of the above. Moreover secondary symptoms referable to other glands of internal secre tion occur especially i reference to the generative organs. Apparently there is an increased activity on the part of the generative organs when there is hypophyseal hyperplasia and there is undoubtedly a decrease, even lack of development or atrophy when there is a hypoplasia of the hypophysis. to which lobe this phenomenon is due there is a question but the author inclines toward the belief that it is due to changes occurring in the posterior lobe. Furthermore there may be clinical pictures which went to due t an increased secretion from one part of the gland and a decreased secretion from the other

The aromepale syndrome above the pecture of ginntism, if the hyperplant takes place before exploying an important properties of the exploying and the period of the period

In the syndrome of draintyphia adiposeponitation the picture is due to a hypoceretic of both the anterior and posterior lobes. There is imperied activated formation of the condition has come nearly in hie, and the associated sympt im referable to the posterior lobes, such as increased diposity defective divisionment of the processive organs, somnolence, increased suppress tolerance to the processive organs, somnolence, increased suppress tolerance to

The syndrome foregrowth with adiposity is supposed by the thor, to be due to an increased servition of the anterior lobe and decreased service of the positrone. There recent case coming under the author notice are clied. These case all aboved enourous skeletal development for their ages and marked adiposity. They all showed lowered mental activity two aboved very high sugar tolerance and the other could not be tested as regards the point, as quantities over so grams could not be retained. Several aboved errors symptoms, as being an aplicable, the relation of the several service and activity. One showed general increased cannal pressers phenomens.

JAMES H. SKILES.

Frazier: The Pitultary Body in Disease; the Method and th Results of Surgical Intervention. Fam. If J 9, 3, v1, 4; By Surg. Gyme. & Obst.

Though the surgery of the hypophysis is a development of comparatively recent years, Frazier feels the results have been sufficiently gratifying at least to fler promising field and to assure measure of

rebef fo there se incurable conditions. The natomet physiochemet and surgeon have all been working t solve the arious problems con nected with pit tirt disorders, and tw. distinct schools ha arisen - one claiming that it is merely a rudiment sy organ and the ther that his cannot co tinue ben the gland care t functionate. It has been pro-ed conclusively his ever that certain en senous trouter ha en direct n lation t either eoplasm or non neoply the enlargement of the n tun ry body. If the services fith sorroon ret be lan aul (ry necessary that th sympt ms of thise disorders be recognized earl the describes brief the three general groups his his mar be dissiduand extra cases of h h th ma be d wied and cates for illustration. The nest t шţ set ! h per and hyposecretion f the gland respect ! tak the form f cromegaly and adiposo genit! the third t pe may be set alone of an minn tion then or th other I have the in high the symptoms re th three-ain t pressure open adjacent struct en of in re-sed int rangel p essure. I this latter group h there is no demonstration (metabolic dut rhames the thor lays mphases on the

dart rhames the thory tays mephana on the braids he are assed diameters. Their reales not minq its proache dust rhanes, ranging if the from summodes and listlewess it well described with 1. The most on use I thus groups the process of the control of the control of the process of the control of the control them in the control of the control of the hem unsupposed. The reportance of the N ray on and m diagnoses in two the lost scribt of

Frusier An Approach t th Hypophysis Through the Atterior Crunial Form. Inc. Surg Phila 9 J. Na. 45 Hy Surg Grace & Obst

While thus is in the majority of instances the prophysis has been riginal and extracturally by the transplienosial row! It is author feel that in the fit is the interior transial fooses. If he has proved it of choice as by the latter row it were of approach to affect and the danger of infection leasened. The method like he or uses makes the spoure of the plant it holy as decord. I service difficulties as that of any executally, in the reflection of an enteroptistic flapform the right frontal repos in the removal or the super-solutial drige as suggested by M. Vita.

ith portion of the root of the orbit fatter to be replaced and in rootening y has trensin. I the roof I the roll flow to the opth formers with a rather terrators the arbital contents reduplaced down and and out rids, and the frontal bobe elevated until 18 view is bottiared of the optic occur. If then makes short meases in the dura and thus hips have the early of the sells turcker. The remainder of the operation depends upon the character of the levino to be dealt with

As a example, Frazier cites the follosing came in which he found and evacuated syst of the hy

pophysis The patient soung man fit enty-three had been a normal child pit the age of fourteen, when he as struck ith rock over the right temporal region. Two years late he grew pur ceptibly weaker his weight began constantly t mercase and he was gradually losing the sight of his right ey When he arst came nder the anthor observation in J | 10 2, his prearance a that of a thick set boy of hiteen or sixteen, ith ery marked panniculus adhoule. The renitalm - in-f attle in type - suggested child of ten or twelve If suffered from severe headaches and the ocular dist chances had advanced to a tat of emplete right temporal bemispopma. Jaide from these marked gland far symptoms the \ ray findings were very reggestive of putnitary trouble.

Under intratrached auestheid, Franter carried on the openation as described above. As soon as the ant root finoid process wa reached be made transverse footsion? Contineers fong in the dura across from one ant rior clinoid process to the ther and about a centumeter boy the base of the skull, and by displacing the orbital contents. the retrestor there was seen bettern the most process to the contineers of the contineers of

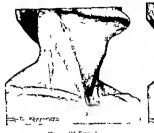
what afterward proved to be _ 0,1 of the hypophysis Frazer troughy recommend the interestal root in all cases, and feels that it is poots in indicated as cases where the ordice of the sells is enlarged and where there is remain to believe the tumor extreats beyond the form of the sells and the ordinary of the control of the sells and the control of the control of the control of the enigent satisfaction.

NECK

Wenglowski Neck Flotules ad Gysts (Cler Habbern and Cysten) Arch f this Clor 0 3.6, 120 By Zeotrafid f d. ges Chir u. i. Gerangeb

On the base I has stoden on kursts embryon, hich has been described in detail, Wenglowski turns raises the omererally accepted theory of the origin of fateral neek fivulins only as a from the second still left and plans appeal posseh. Is the main proof of this theory tauch the course of the first last order the \(\graphi\) proofacts grapes. But it most caves,

3) loser relation bet feet bet a structure is be long I the turn place series of further and somical fact rigos against the theory. The fatestate resually, so studied in relation it the M retapharyaceus (hich poet i make on the body of the third mill arch) that they are below the movie and usually open it the extension on it posterior marginal than the second place the application of soil then belong if the third, and not it the second place that the second place the application of which the long of the structure of the particular with the lime of the second place the place that the particular possible of the particular long to the place of th



(M Kenna)



intulous tracts a th flat epithelium. There is little illelihood that, for example, the arch of the pharynseal pouch should reach down to the locisura sterni, while the gill arch, between which the pouch is situated should retain its position unchanged. In the third place the inner opening of the faculas musly lies behind the pharyngest such, or in the lower posterior corner of the mandelbucht, and hence I the domain of the third, and not of the second pharyneral pouch. In the fourth place the direction f the course of the fistules and their position with relation to the external carreld does not correspond t an origin from the second pharyn geal pouch and gill cleft.

The a thor now proposes the theory that the lateral neck fistules and cysts arise in the Thymus-anlage. The thymus arises from the third pharyn geal pouch in the form of a long canal which runs disgonally from the lateral wall of the pharyng to the steraum, here it develops the actual thymns The course and the anatomical structure of this canal correspond exactly to hat has been found i the cases of neck fistulas and cysts. Aside from this course in certain cases a second embryonal tube comes int consideration which corresponds t the lateral thyroid gland anlage. The internal opening of fistules of this latter origin in haracter ized by ta position lateral t the laryages opening.

Dowd Hygroma Cysticum Colli Ita Structure Am. Smy Am and Etlotogy Sury Arr 9 5, May By Sury Gyeec, & Obst.

Scattered references t hygromas of the neck are found in surgical and pathological literat re, but the cases are so uncommon that few definit descriptions have been recorded. A tabulated description of ninety-one cases of hygroma in the neck, thirty-five in the axilla and eleven in ther parts i the body is

given many of the descriptions are incomplete The term should be applied t eystic tumors which are lined with endothelium and which have marked individual power of growth. They are distinct from branchial cysts, thyrogiossal cysts tumors of the carotid body and lymphosarcoma. The demarca tion from symphantioms need not be absolutely definit

The author described three cases I undoubted bygroma of the neck and fourth case which was believed to be hygroma but in which inflammation had obliterated the fine structure of the cyat wall. All the cysts had been present from birth but had shown sudden and excessive power of growth. In one instance the cyst had extended int the medi astinum, in another into the pertoral region. One cyst had recurred very rapidly after removal full visible parts. Silver-stained sections of the endothelium were shown also photographs f the patients and microphotographs of the cyst walls.

These growths are believed t be due t growth f embryonic sequestrations of lymphatic tiesu

M Kenns A Report on Two Cases of Cervical Rib and an Operative Measure to Present Recurrence of Symptoms. Sury G: cc. & Oke.

By Surg Gynec, & Obst. O L IV. III. A review of the literature on neuritis I the upper extremities convinces one of the fact that until re-

cently many cases of supernumerary or cervical rib passed unrecognized. For a number of centuries anatomists have recor nized extra cervical ribs, but this anomalous condtion as not associated with the clinical phase which

a now know these ribs produce The a the behaves the complet and permanent

success of the operation for the removal of a cervical nb depends principally upon two points in technique () An incision that gives easy cress to the



Tug a (M. Kerrina)

nh so that it may be remo ed entire! a the minimum mount of trauma to the brachist piccus and subclavina vinetia! () the proper protection of the pleries and vessels from the upper surface of the first dorsal rib hach has been denided of its periosterum by the removal of the ossessors trach-

ment of the dutat end I the offending correct in the late the mather plan of operation, as faction is made from point matery between the origin and injection of the stemo-cleshor-manned reside and along its posterior border in struggly has to the leaver border of the clarect. A second motion is mad parallel to the first, and two inches posteroctly from the anterno edge of the thropeins monder, the corresponding point the lavele. These two includes are now connected by thard including as more connected by thard including

carried over the clavicle

McKenna employs portion of the scalening

medius much t cover the upper surface of the denoded first fib thereby forming combine for the brachail plexus and subclavian vessels.

Henderson terrical Ribs Report of \$1 Cases. It

Am Ordop Atr 9 3, M y
By Surg., Gyme: & Obst. The deformity is usually busteral. Of thirty one cases beeved in the Mayo Chuk there were twenty four bilateral. All the cases in this group in which their was undoubted elongation f the costal process on each side of the seventh cervical vertebra beyond the tip of the transverse process of the first doesn't vertebra were classified as bilateral. Nine of the twenty-four were well developed biinteral cervical ribs, ten were recimentary bilateral cervical ribs and three had a well developed rib on the right side with an accompanying radimentary tib on the left. Two cases had well developed cervical rib on the left side with an accompanying rudimentary on the right. N ne of the males presented well developed bilateral cervical ribs, while

of the ten presenting bilateral redimentary the six were makes. There were for periodic such a developed belt cervical ribs, the right being above, whereas there as only no developed on the right able above. Of the nike well developed bilateral cervical ribs may two caused subjective symmons may be such as the larger as a reason of the right above the subjective symmons into object they presented tupous of varying above in the supractive colors. Of the te bilaterit redimentary, rubs three patients had subjective symmons in ne of these patients had subjective symmons in ne of these patients had subjective symmons in ne of these patients had subject resymments. For some reason unexplained cervical removers, the same reason unexplained cervical conditions and the subjective symmons and the subjective symmons.

7 per cent of females and 50 per cent f males. Of the thirty-one cases there were righteen bo gave no subjective symptoms. Of these eightern there were seven who displayed fullness in the supraclavicular foma. I cleven no fullness was detected on routine physical examination. These sloven ere subjected to X-ray examination of the chest for some other reason and the cervical nos discovered ecidentally. Six cases mave symptoms subjectively and objectively but were not operated Seve cases ere operated on (five females and (we make) Excision was made in six cases and an alcohol injection and as tery to the neck in newrotic man. All were completely reheved except two penrotic women and these are greatly reheved and satisfied with the result. Various theories are advanced to account for the fact that some individuals with cervical ribs have no symptoms, a hereas others have this regardless of the size of the ribs. Jones accounts (or it from an automobil point of view by saving that a individual mucht have the normal number of ribs but the perce roots make their point f eaft. fittle low and the first dorsal rib. fittle high. The result would be pressure on the serves and a brachal neurois. Various degrees of this comfition might be present. I certain cases the cervical ribs do not give symptoms and here again

the nerve roots may make their exit high and so escape pressure. If their exit below or normal, pain will ensue.

The other takes up the symptomatology and reports the thirty-one cases in detail. The coe-clusions are as follows:

r. Cervical rate are congenital deformities rarely causing symptoms until adolescence or later.
a. The deformity is usually blateral (twesty four out f thirty-one cases) and is more common in women than in seen (twenty-two females d absen-

males)
3. The size of the cervical rib is not the index to the symptome.

4. It is estimated that only per cant of ervical ribs cause symptoms. Our I the thirty-oncases in this report, digitizen gave no symptoms. 5 Brachial neuritis may be caused by cervical ribs. This neuritis may be caused by a lack of harmony (embryologically) between the first docasi fit and the sits of exist of the roots of the nervos. The roots of the nervos may have their crit low and be rublected to presence by a normal first docasi rib or they may have a normal position and the first of be high. We have had one case of brachial neutrits associated with tuberculeus gis do of the neck when dering the course of the high and produced of the course of the second of the second produced of the course of the high and to implicate the next second of the high and to make ruled from symptoms.

6 The theory I the difference in the site of eaft of the nerve roots may explain the lack I symptoms in certain patients having all developed cervical ribs whereas other patients with smaller cervical ribs give pronounced symptoms.

Crowther: Aberrant Gotter of the Submanillary Space (Ser un can de gotter aberrant de la loga accmanillary) Riferse med 9 3, 12th, 32. By Joocast de Chiraghe The submanillary space is rarely the site of tumon of thyroidal nature. Only nine case appear

in the Sterature Those of Elselberg Payre and

Martina, who have two cases each Socia, Lend, Reich Heynler Feldmann, each of whom have reported no case. The author reports tenth case under the following conditions. The patient was a woman 45 years of age At the age of 32, following an ttack of angina, she stated that a circumscribed tymefaction pocared in the right submaxillary space. At that time the tume was round. mobile, and the size of a small nut. During the last three years it trained the size of mandarin. It lay t the horizontal ramus of the maxillary bone and reached t its angle. In front it reached the median line of the neck, and below it extended to the byood bone The skin which covered it was freely movable The tumor was non-painful, elastic, and of cartilaginous hardness t its posterior pole It was mobile and tracked only at the borders f the submaxiliary space. It was not evident floor of the mouth, but by combined pulpation one could feel it in this place. The left side of the space and the rest of the neck was normal. The right lobe and the isthmus of the thyroid gland were palouble and slightly enlarged. A diagnosis of mixed tumor of the maxillary gland was made and the patient operated. On opening the space this gland was found to be normal and lying below and behind the tumor the latter was found to be enveloped in very vascular capsule and t be covered anteriorly and above by the great hypoglosus. It was easily enucleated since only vascular pedicle attached it to the surrounding times

This timor was of brownish-red color with amooth surface covered by several deep furrows. On its posterior aspect a yellowish with module of cartilagatos consistency was present. The curiace showed number of cysts of various size. The bardest part of the tumor seemed t be composed of calcifed fibrous tissoe. Histologically one of the control of the control of the con-

areas of normal thyroid structure with cavities lined with regular cuboidal epithellum filled with colloidal substance were present. At other points tissue like

that of cyrtic golier was present. Clinically he tumor was very difficult to diagnose. In one case only that of Jenni could a diagnosi he made before operation but in this case the tumor was only secondarily in the submarillary space. It occupied the greater part of the median subhyold region and accompanied a tumo at the base of the torque.

In the author's case there was not a trace of extension of the thyroid from its normal locality in cases of this variety and they are n merous it is not uncommon to see myxerdema poear after removal.

Wilson The Pathology of th Thyroid Gland in Exophthalmic Golter T Ass Ass Physicians, 9 5, 11 y By Surg Gyme, & Obst.

Walson, continuing his previously reported studies on the thyroid, has recently reviewed the outhology of the thyroids from soo patients operated on in the Mayo Clinic for conditions ordinarily disguosed exophthalmic rotter from January Isnuary 10 a and also as controls of the thyroids from 585 patients operated on in the sams clinic for conditions ordinarily diagnosed simple softer during Besides studying the gross specithe year o mens, he has made detailed analysis of the histol ory if the mands in fixed tissues and tabulated and summarized the results of his study to determine the relationship f the nathology of the thyroid t the clinical condition of the patient. His conclusions are as follows

A detailed pathologic at dy of first-disease preparations from soft hypothal, removed from patients whose condition would orthoanly have been dispused exophitatinic pointer aboved that to per cent of the threads contained large areas of matric primary bypertrophy and hyperpiast. A partilled clinical study has aboven that for a period of three years all cases with true coophithming softer and from them gland these was removed, fall into this life.

In the above series of red so-called "combitabilite polities plus 63 ro-called imple potters or total of 7p3 thyroids, but four listances of marked primary hypertrophy and hyperplasis of the parencyma have been noted in cases inch did not show diskal symptoms i true evoybthalming gater Three of these four patients were children.

3 Twenty-one per cent of the 203 glands studied were either regenerations or atenomats. Clinically while all of these were markedly t ale, all were chrome and some of them would now be grouped clineally as true expeltabiling goite.

4. By assuming that the symptoms of true exophthalmic gotter are the could of an exerction from the thyroid gland and by attempting to determine the amount of such exerction from the pathologic data, one is his to estimat in large series [cases the clinical at ge of the disease with about 80 per cent of accuracy and the chnical severity. I the disease with bout 75 per cent of ccuracy.

5 It would therefore appear that the relationship of primary hypertrophy and hyperplasts of the parenchyma fitse thyroid giand it true exaphthal mic goiter is as direct and containt as is primary inflammation. If the kilney it the symptoms of true Bright disease.

Jacobson The Thyrogenic Origin of Basedow Disease Ann Savg Phila o 3, 1 is, 33 By Surg Gyace & Obst

A review of the literate re is press, test to entrait the theories of hyperthyroidism and disthyroidism as unit; factors in Basedow disease based approximation of clinical observations.

M me and Lenhart has ones to the onel won that the a diversent of the gland only part of general divense and is therefore notice and that it is enforced to membrantory dipend a on functional introduction. Carlson is local treg of the thyroid structural language. Basedo disease as an evidence of differed set whom rather than increased secretion. Notice report the condition as dynthyroidiam as the jection of intractiquery Basedow goaters at mals produced in the produced secretion.

ymptoms of the disease. H found that intrave nons jection i potassium iodide in dops produced simila reaction. Bircher believes that the thymns

gland Jays an Important rôle for relation to fiandow disease as implantation of thyron gland I traperitoneally caused typical Basedow symptom Gart. Copelle and others angested this work by the compact of the compact of the contract following the compact of the compact of the following the compact of the compact of the mental Basedow a fisness by laketion of an emision of ordinary collisid of parenchymatous going the utbor crisis attention it the Bakoow artificial production of Basedow disease by induce or thyronel errors, enteric induction in certain crees, of the compact of the compact of the compact of the form pathological standpol I every case of Baseform pathological standpol I every case of Baseto a disease is accompassed by enlargement of

vienpoint, kocher Wisson and McCarthy and others have described typesal histological pattures in he re haracteristic of defaint stages of the drease. The appearance (Basedow symptom persenc of tumors inflammatio of the thyroid speak atrongly for the thyrogene origin of the disease as do the results of treatment of the disease in supresal nuterference where there is a previator of

cute varyang from 611 75 per cent. 1 C.D m.

the th rold gland. From the microscoole anatomic

SURGERY OF THE CHEST

CHEST WALL AND BREAST

G saww A Case of Hypertrophy of the Mammaty Glands (Cla Fall von Hypertrophie der Breatdrosen) Gyoth Rundeshen, 911, By Zeninkl I d ges Gynkk u. Geburch — d Grenngeb.

This anomaly of the breast is hardly mentioned in the text books. It is usually divided int two groups () the permanent hypertroph appearing with puberty (s) the permode hypertrophy high

occurs during pregrancy and desciption during the intermediate labor. The thor cites case. The patient, y vein old, had extreme hypertrophy of the breasts, specially the left no which was bung down to the nared. Unremierence of the left breast in the middle was your length from the foorth fit it the aper was so on Currentlerence of the right breast in the middle as a form length from the foorth fit it the aper was so from Currentlerence. The breasts are over miss enlarged at the contract of the present of the chief of the last ten years or during the preparator. Milk was accreted in small mounts. The breasts arer; interfered with dail work. She

refused every treatment R. Cassons.

Dearer Review of \$34 Operations on the Mann mary Gland. J Am M Ass., 913 h 705 By San Gyac. & Obst.

Deaver discusses the problem of mammary tumors, especially from the standpoint of prognosis,

basing has opi ions on statistical study of 334 operations on the breast. The uthor draws a parallel between the reduction of the primary overs to mortality from a per cent to a per cent with the introduction of serpsis and anthornis, and the reduction of the percentage of local recurrences from 65 5 per cent t 6 per cent ith the reperal adoption of the Habted principles of extensive dissection. Not that anding this, he sounds pessimittle not in the modern operative results, and firmly establishes this on the ground of late operative interference. Of the last 200 operative cases of cancer of the breast admitted t the ards of the German Hospital 3 had extensive niceration and metastasks and the after results confirm the observations of others that these conditions bemeak the hopelessness of surgical curs. The verage length of time the ducase had existed, as estimated from the time of ppearance of the first signs of trouble with the breast, was thirty months. In the cases in kich the patients were well three or more years after radical treatment, sixteen months had elapsed on the verage before operation.

Alterations in the normal abro-optic-field relations of batterial, transmite, involutionary or other came, is almost invariably the precursor of male-many and h is only it this stage that the soccess of an operation is assured for with the intervention of malignancy in no case can the limitations of the disease be formula. As remains disposite, the embor

When a positive diagnosis of mammary carcinoma can be made, the hope of operative cure is often in vain, for the cleadeal signs are usually numbrakable evidence of extensive metastasis. A table of the physical signs in this acrics follows. and the possibility foure based o these findings is indicated in table taken from Greenough studies. Of the author's patients well three or more years after operation, only a per cent had had retraction of the nipole and 8 per cent attachment I the tumor t the skin, bot in no instance was the tumor ttached t the pectoral fascia. Of 50 cases dying

of early recurrence, 90 9 per cent had palpable axillary lymph node involvement. Of 6 cases living after the three-year limit 3 per cent had palcable lymph nodes in the axilla.

The mutual symptom | 78 per cent of the malie ment cases and in 86 per cent of the benign cases was a lump causing as rule to discomfort, and usually discovered accidentally. Pala was frequently complained of in the late stages of the disease but occurred in only 9 per cent of the cases as the initial sympt m. The location of the various types f tumors is graphically shown, with the majority involving the upper-outer quadrant. Axillary lymph nodes palpably enlarged in the presence of a mammery growth are not absolute evidences of metastasis. This condition complicated 4.5 per cent f the benign cases in which microscopic study showed the beence of malignancy both in the tumor and in the giands. The microscope proved, furthermore, the absence of metastass in 6 5 per cent of the 17 per cent of malignant cases in which exillary enlargement was noted on paination, although in 6 per cent of the cases in which no mention is made of involved arillary nodes, metastasis was found microscopically. The author advises complete removal of the pectoral muscles and fascia, together with the axillary tueses, and considers in this connection the various routes of carelnomatous extension from the breast. He advocates removal of those digitations of the serratus magnus muscle arising from the fifth and sixth ribs when the tumor occupies the lower outer quadrant of the breast. The primary operative mortality in the series was .050 per cent. Endocarditis fatally com-plicated simple excision of a small benign tumor the remaining two fatal cases died of unemia and meumonia respectively after the radical operation for carcinoma. The end results in o cases were as follows. Of the patients with fibro-epithelial tumors, 44 bays been traced, and of these 41 baye remained well for an verage period of six years patients have had operations for similar tumors in the possite breast, and one case diagnosed as fibroadenoma both clinically and microscopically had early mangnant degeneration of the breast and died of recurrence after radical operation. Sixteen out of 75 cases of carcinoms, or 3 3 per cent, have passed the three year hight and are free of recurrence for an versage of 7 years 37 died of recurrence and 4 from causes other than cancer 6 others have re-

currence at the present time, while the remaining patients are apparently well, though sufficient time concludes that anomalimately one patient in five is permanently elleved of the disease by radical excision. His attitude is one of dist wor to wider excision than the original Habited procedure, and be expresses the belief that markedly improved results of operative treatment can alon restore confidence in the survey of mammary cancer. This desideratum can be attained, h states, when our efforts are directed to an educational campaign that will result in bringing the patients to operation with the disease localized t the primary focus, rather than in the direction f elaboration and extension of the operative procedure. His concluding words are as follows When popular opinion demands Immediate operatio on the discovery f lump in the breast when physicians are taught to think of breast sumors in terms of operability and when misguided humanit rianum no longer prompts the sureron to ttempt injudicions operations, the present box of faith in the surgery of this disease will give way to healthy optimism.

Molineus Cleidoplastic Operation Using th Spins Scapules (Godoplank to der Spins scap-tiat) Dericcie Linde f Chri p 1, cm 80. By Zentralbi f d gra Chri n i Greneph.

After a short introduction, in which the operating procedures up to the present are mentioned, the author describes new method for the replacing a resected clavicula from the spine scapule, which was used, with good functional results, in two cases. In both cases there was a tume in the peripheral portion of the clayide.

Method of operation An epaulett shaped incision is made beginning bout hand-breadth away from the spinal column, over the spina scapule, and extending around the shoulder and below the claycie, un to the sternum. The clavicle is then freed and resected after severing the muscle insertions. This is followed by a freeing of the M supra- and infraspinatus, and chiseling off of the spins, which is turned about its acromial end and fastened to the stump f the clavicle by two wire stitches. The only difficulty presented in either case by the

operation was the freeing of the clavicle since in both cases the tumo had surrounded the large vessels. VON TAPPUNRENTER.

Karajannepoules Epithelial Tumors of the

Clavicie (Tumous épithellaire de la clavicule), Bull.
Aux. franç peur l'étaite de cracey 913 90.

By Journal de Chironyle.

Karajannopoulos reports case of an epithelioma of the clavicle probably secondary to one of the dipestive trat. The case was in the service of Delbet. There was no autopsy

The case was that of woman 4 years old, who kad suffered for one year with a severe pain in the shoulder which was described as rheumatic. On examination, a round hard tumor was found at the middle third of the right clavicle and two similar tumors at the inner third of this bone. These tumors were painful to touch and were apparently the cause of the spontaneous pain in the shoulder.

There had been several tracks of severe burning sensations and pain in the epigastrium with vonitiing. The vomitus was foamy and not discolored and there was no hieratemesis or tarry stools.

There was a duarrhora.

For two months there were symptoms of pressure on the right bracklal plactus the patient being unable to use the right hand or more the arm across the body. The general health of the patient was

affected and she wa very emachated

Operation Total entityation if the right clavidio and the tumor was accomplished with difficulty on account of the tumor's being otherent to the internal juguiar subclavicular and brachlocephalic veius. Normal recovery

The outer third of the bone was normal. The middle third of the bone as invaded with the neoplasm except on its inferior surface. The inner third was completely destroyed by the tamor

The neophatan was firm bemorencous, gray with howen mothings. Histologically it was a branchine cylcheliona in parts [which the cells were arranged in glands and in other parts there was a diffuse indirection of the stronm with enseer cells. The mobile of low cylindrical cells odd not state with critical cells of the cells of the cells of the gry [a partite carcinoma but the absence of an atterest made is improvable to confirm this disposan-

Kanilannopoulos reports five other cause of car choma of the clarkle. Two of these reported by Delbet, were secondary to medignant temors of the liver. Two other cars accordary t carandoms of the thyroid were reported by Legocu and Guibs and Malipenne. Finally Egice and Massabran reported a case of primary cyrile terations of the

davide

Deliber remarks that in the three cases of cartisoms of the davice when were eccondary t abdominal cancers, two of the Brer one probably of the stomach the inner part of the right davide was always flexted. This is probably not mere coloridence though our kno ledge of the Bood and lymphatic drainage of the clavide is not sufficient to explain the phenomenon. Jawa CEDENT.

Smith The Cangenital Absence of Ribs; Report of Case with Cemplers Absence of the Left Seventh and Eighth Ribs. J. Am. M. ar. 9. 5, 1x, 805 By Serg. Gyusc, & Obst.

Smith mentions nine cases in the interature above ing complete absence of one or more titls. Few of these cases were subjected t an X-ray or post mortem examination so it is possible that non-pal pable rediments of ribs may have been present in some of them. He reports the following case Female died the righth day A post mottem aboved the cause if death the precumoust. The

therax was normal on the right side. On the left side the st, ad and 3d ribs were normal, except that they seemed fammed together and compressed laterally The 4th and 5th ribs were fused together At the costochondral articulation this bony structure became broader and was attached to the steraum by two cartileginous bands. About 1 5 cm. of the oth rib attached anteriorly to the same length of cartilage was found in the thoracic vertebral column or sternum. The 7th and 8th tibs and their cartilages were entirely beent. The spinal column was defective on the left side at the level of the 6th and 7th ribs and was covered with smooth pleurs. t the place where these rfbs should normally be attached. The oth, oth, th and th rfbs were floating The siphold process was blid. A slight acoliosis, with convertiy t the right, was present. I add tion were found. A scaphold scapula, patent doctus arteriosus, open foramen orale, syphilitic periarteri-tis in nearly all the viscers and double central canal of spinal cord I the thorseic region. L. G. Dw

Brown and Krause Th Uncertainties of the Transmont of Pulmocoary T berrulesis by Artificial Fraumontobrant Report of a F tal Gase, with Autopay T Az. An. Physiciant, 9, May

The introduction of nitrogen into the plearst cavity although simple procedure, is not synonymous with soccasial treatment by artificial paramethorax. The authors emphasize the datcers and compilications that accompany the treatness and report two fatal cases, with authory

findings in one.

Fleatthe efficiency is the most frequent mapplication. In about up per cent of cases it is demonstrable. Some believe that tuberche harfill are always found in the efficient but flyow in an demonstrated them in two cases only. The authors believe that the chilling of the pieum following collapse of the hung may have something to do with the fornation. In artistical contracted efficient increases laturapleum! teasion, prizes the surfaces of the pieum together and the long expends and resists further of its at collapse.

Emprema may supervene upo an effusion. The utbors have bud two instances of this. I one case each time per was withfraw pits was forced along the track of the needle by the cough and formed what ppeared like cold abcesses. Tubercle bacilli were found in this pursient effusion.

Substancous emplysems may cause much discomfort. A patient with violent cough may force the gas into the subcutancous or needinalized tissues, outside the parietal pissura, or lat the deep tissues (the neck.

Fleuritic adhesions are trouvent. The degree of negative pressure that is registered when the needle is first inserted int the pleuril cavity indicates its general way the crime! I the adhesions but tells nothing of their tenacity. The negative pressure is tine to the elastic recoil of the lung and propor tionately as it is everted non adhesions it is reduced in that part f the pleural cavity that is free.

On ecount of the adhesions the number of patients suitable for collapse therapy is small. Of twenty two patients, Brown could produce no collapse in eight a partial collapse in su nd a complete collapse in eight. Partial collapse may be productive of good results.

Dyappers f llowing injection may be due either to craick collapse of the lung or the introduction of too much gas. Withdrawal of the gas may be

necessary in some cases.

Pain in the chest from the presence if loosening of adhesions may be very severe and require morphise Pleural shock and gas embolism may threaten life In pleural shock the patient grows rule and faint vomits and may lose consciousness. It occurs as the needle passes through the pleura od can be voided by careful cocainiestion. Gas embolism practically never occurs when the injection is made under manometric control

Disease in the non-collapsed lung may dvance and it should be closely watched and the dvantage and disadvantage of continuing the compression weighed.

The t deaths among Bro a cauca were due in part t spontaneous pneumothorax of the partially collapsed lung.

I one, a woman, aged so, had bilateral advancing tuberculoses. Collapse f the right lung held the process in abeyance for a while but in short time the process advanced in the left lung and gas in jections were discontinued. To months later the outlest felt sharp pain in the right lung and became dysometic and evanotic. A needl was introduced and pressure reduced from + o t - 1 m But it quickly rose again and although the process was repeated several times it prod ced no permanent effect upon the intrapleural tension.

The patient died to days later The other case was a woman, ged ro who from March o had slow but steadily progressing trouble. On admittance t hospital in September, she had extensive inv lvement on right and compensat ry ith fibroid cha ges in the left. In March o collapse therapy was begun and kept p until April, o It resulted in a reduced cough and expectoration and lessened temperature which in Decamber 19 reached normal, But the temperature later rose and the weight steadily declined. A change of environment was ordered. She then presented signs of partial pneumothorax with hippocratic succussion t apex and base. On the left few rales were present. On June 6th, 50 cc. nitrogen were injected and pressure left at + so. At intervals thereafter 50 t 200 cc. nitrogen were injected and pressure left at + 8 t +20. On January 6, 50 cc. were injected (pressure + 5) and that night patient complained f sharp pains in right hug and wheezing Examination sho ed snoring rhonchus oo the whole sid with maximum

f tensity in f arth La. Amphoric breathing replaced the former distant breathing. Tater son or, of pus a re spirated which contained large umbers of t berele bacilli. The patient died l'ebroary 3

At autopsy it was found that the right lung was thoroughly collapsed and lay in the vert bral gutter The thoracic cavity contained 500 cc. of thick, vellowish fluid. Thick fingerlike bands run from the collapsed fung t the chest wall in the upper part I the thoracic cavity On removal, the lung appeared as abrunken tough, leathery piece of thrue, covered with an enormously thickened pleura. Lobe distinctions were lost. What was probably the woner lobe was now a cavity. Two alltike holes communicated with the bottom of the cavity and probably were the points where the pleura was reptured intra vitam. Section I the lung showed compact tisme of mottled reddish black appear Tubercles were a merous, some undergoing organization and many almost completely bealed M croscopic examination of part of the lung showed no gross tuberculous microscopically showed almost wholly granulation tissue. There were many microscopic tubercles and much pigment.

The left or uncollapsed lung was voluminous and showed diffuse tuberculous process which differed in age in different parts of the lung the oldest spots being in the immediate neighborhood of the inter lobar faware. The lung was remarkably free from

extraneous pigment

TRACHEA AND LUNGS

Wolff Operation for Fulmenery Embolism after Trenselenburg (Operation der Langemerterlenembobs such Trendelenburg). Munchen, med Wehnschr

9 3. lz. 78
By Zentralbi, I. d. ges. Gynsk u. Ceburtah a. d. Grenzgab.

The patient could not be saved, as the heart beat had ceased even before the embolus could be removed. Cardla massage artifical respiration. et falled. In most of these cases the diagnosis is very difficult. The question of interference will be even more difficult as even serious cases f embolus recover when treated conservatively. Rehn conelders it safer t compress the vena cave manually

hen opening the polinousry artery than t use clastic constriction, suggested by Trendelenburg because by the latter method cardiac dilatation is more pt t occur In all cases developing marked cardiac dilatation fter this procedure the heart will have to be exposed by section of the lower ribs. This will f cilitate direct cardiac massage if required later

HEART AND VASCULAR SYSTEM

Stowart Fire Cooks of Suture of the Heart, T Am. Surg Art., 9 3 May By Surg., Cynec. & Obst.

Case Sympt ma of cut an emis and hemopocumothorax. Stab ound of left ventricle, three fourths I an inch long continuous allk suture, Ligatio f the descending branch of the left coronary artery near its origin. Drainage f the pericardial and pleural cavities. Pyopericardium and pyothorax. Recovery. Death five years later from pulmonary tuberculosis. At autopsy the wall fithe left ventricle was the seat of interstitial myocarditis. and in one place near the apex greatly thinned.

Case a. Symptoms of acuta anemia and hemopneumothorux. Stab wound of the left ventricle. half inch long Continuous silk suture. Suture of the pericardrum, drainage of the pleanal cavity Protocax. Recovery Patient still well four

years and three months after injury

Case 3. Symptoms of compression of the beart. Pleura not injured. Stab wound of right auricle. one fourth inch long. Continuous categot suture. Closure of pericardium. Pleura not opened during openacio Recovery sthout properiousthus, or pyothorax. Patient well after two years.

Case 4. Symptoms of cute anemia and hemopneumothora Stab wound f left ventracle, one inch long Continuous catgut sature, closure of pencardrum, drainage of picural cavity. Death in forty-one bours. I topsy pyothorax, purulent pericarditis, acute infective myocarditis, acute

vegetati endocarditis

Case 5 Symptoms of sout anemia and hemopneumothorax Stab wound f right entricle, one half such long. Continuous catgut auture. Closure f perforations, dramage of pleural cavity Death m one hour Autopey ound passed into right ventracle then through the septum int the left ventracle. Both ventricles were hypertrophied

and the mitral valves were badly diseased.

Attentio is called to the relatively slow pulse in the author cases. In three it was on or below in one of nd only so in the case with the highest coult. The amount if external bleeding was never more than trickle. This is accounted for partly by the valvular nature of the wounds. It is imposmble with a maste thrust of narrow binded Luife to create channel from the skin t the heart that will remain straight. So soo as the patient lies down the skin glides upwards an Inch or more and the heart likewise ascends. If the nieural cavity is t the same time opened the heart is displaced farther by the resulting pneumothorax. I Addition t the influence of this angulation of the tract in retarding the outward escape f blood, external hemorrhage is apt to be malgnificant because the blood finds one, and usually two reservoirs, viz. the perscardial and pieural cavities, into which it may flow unfundered. On the other hand, bleeding intercostal or internal mammary artery unassociated ith a ound of the persondium or pleurs may give rise to considerable external hemorrhage, because, aside from the cellular tissue there is on place in which the blood can accumulat

There are on nathogramonic symptoms of wound of the heart even hemopericardium may be wound of the pericardium alone or to wound of one of the heart vessels at the base of

the heart. The diagnosis can be assured only by exploration which should be done in all cases in which there is the slightest suspicion of wound of the beart.

In five cases of wound of the perleardium, the author has explored the heart without finding a wound in that organ, although in three cases the pericardium was injured and in one the heart was contined. In two other cases in which wound of the heart was suspected the wound did not

penetrat the thoracle wall,

Technique foperation Indine disinfection of the thin, excision of the cutaneous wound, digital exploratio Formation of chosdroplastic flap the size and shape depending upon the situation of the external wound and the mount of room necessary to expose and suture the wound in the heart. So long as there is a pneumothorax it makes little difference whether this flap is reflected towards the right or the left. If the plears is intact, however it should be preserved from injury this is best done by turning the flap to the left, and pushing back the enopened pleura from the pericardium, as was doze in Case a. Enlargement of the pericardial opening in the aris of the heart, discovery of the wound is the beart by palpation. Isopertion in the cases cited bove was useless until the bleeding had been controlled temporarily by digital compression and the blood removed by sconging. With the finger on or in the cardiac wound a enture is inserted which is used as tractor while the rest of the wound is closed. In two cases the wound was pproximated with forceps during the suturing this greatly facilitated the operation, but in one case the pulsations of the heart fell from of t 52 and the patient ceased breathing for short time. A continuous suture is quicker than interrupted satures, presents fewer knots on the surface of the heart, and less concertanity for leakage between the points of insertion. Catgut is the best material. In one case is which allk was used shars persisted until the silk was discharged. In three instances additional mitures were needed to control the bleeding, once because of sporting from the needle punctures (wound of right annels) once to tie large branch of the coronary which run into the wound, and once to the the descending branch of the left corenary arear its origin where it had been cridentally wounded by the needle. This case of ligation of the left descending coronary artery is of considerable importance in view of the statements of some physiologists regarding the latal effect of suspen-sion of its function. The patient recovered and was powrently not inconvenienced by the obliteration of his coronary artery. At the autopay however five years later, it was found that the wall of the left ventricle was the seat of intersitial myocarditis and in one place near the open greatly thinned. It is recommended that all blood be removed from the pericardial and pleural cavities and that these or ities be closed without drainage. Drainage favors infection. If ampountion occurs later in either of

these cavities a drain c then be inverted. It is recommended also that the \ cr M ltser in anfilation apparatus be sed d ring operation, or il the insuffiction prorat is not t hand that the thorax he closed impleted indith air a thorawn from the pleural ca it by asparation. The only discernible objection to this course is the possibility that distention of or suctio non the lag might renew or increase the bleeding from wound in the lung. The importance of ar free pleural cavity however cannot be overestimated. The large vol m of air i the pleural sa ntana great number of bacteria and these settle the pleurs rise t infection In recent case of exploratory thora otom; for a stah wound it be hung. the wound in the lung and the thoracac all a re closed. and as much air as possible asperated from the olegral as recovery follo ed without empyeans.

Harriga Temporary Arrest of th 11 art Bent Following Inclusion of th Perfoardi m for Suppurati Perfoarditta. I Serg Pida o p. hk. ps. By Sun Fjorc & Obst

Harman fit arranted in report g this case supportative personative but because the temporary arrest of the beart socialo of the personative might be physiological significance vital t the development of the technique of cardiac surgery. The condition occurred in this, poorly somithed.

anemic child aged years. The purplent pen cartificiations with an emprema des eleged secondary to subnemostral aboress of the femur. Symptoms nonting t persential effusion led t an aspiration of the percardial sac. Three ounces of purulent fluid under considerable pressure ere libdes. hen flow ceased. Immediate operation was decided mon. Ether-oxygen narrows was used and mediastinum opened by resection of 34 inches of fifth rib. Pericardium as deeply placed and some difficulty was encountered in axing it previous t making incision. Upon opening the perseardful sac large quantity of pus was forcibly jected. The heart deeply placed within the pencardial mc. lay absolutely motioniess. It as not determined whether the heart was in systole or diartole. The duration of the centation as not timed. When an attempt was made to introduce game drain into the pericardium, the beart began t beat, and ithin minute the ction became tumultuous. The child survived the operation several days.

The utbor concluded that it actured logical t assume that there exists physiological association between the perfeardium of myocardium, and that atimulation the former causes a disturbance in the thytikasic activity of the beart R. W. McNaza.

Meyer: The Surgery of the Pulmonary Artery
T Am Swg Am 9 3 May
By Surg Gynen & Obst.

The main trunk of the pulmocary artery is easily accessible within the pericard (ter incision I the

latter and pulling the pulmonary arters plus cending agets forward I v means of an lastic tube which was conducted through the transverse at us of the pericard. He yes s ago Treodelenburg recommended the operative removal of pulmonary emball. If resected the left second rib with the help I a double kin muscle flap formation and thus got sufficient access t the pericard and pulmonary artery The clastic tube compressing both vessels is held by an assista t the pulmonary artery is incised and the emboli re removed with forceps The vessel wound is then closed by sutures. Accord ing to personal communicatio (Decembe 10 2) Trendelenbury and his amistants ha e done the operation t elve times. N permanent recovers was seen so far but the res its were encourage of One patient of Kruger li red four days after the operation and then died f picuro pacumonia.

The t arteries cannot be compressed longer than forty in seconds. Liven and Sieven of the Leipung have have found that the compression f, the two wrea care is better borne evidently ecount of ciding the distriction of the right beart. I doing this just explicit mit the size that the operation disposal The uthor hopes that the fetter till see miber (these patients used by

The second operation considered is the ligation

of branches f the pulmonary retries for bronchiectasis. It as recommended by Sauerbrush and

operation.

Breas two years ago The pathology f the disease and technique of the operation are briefly gone over ad the history i three patients given be were operated upon by Meyer in this y M three recovered and re greatly improved so far Th i terruption of the physiologic f action f the lobe I the hang produces shrinkage connective tissue formation and adhesion bet een pulmonary and costal pleura. Multiple resectio of ribs done at a second stare produces collarse of the lung later on. At the present time the thor has two patients under his cure in whom it seems desirable to n fluence all three lobes I the right lung. A more central bration of the pulmonary artery seems better the purpose Experimental work has been done in this direction. The main trunk of the left and right pulmonary artery ca be ligated without barm the ammal. The left branch is nicely accessible within the persoard by reflecting part of the latter or right outside of the pericard coording t anatom scal conditions. Ligation of the right branch is more difficult. According t. Meyer' observations. the best procedure is the exposure and figution of the right pulmonary artery within the personal between ascending aorta aid superior vena cava. Another pareach is t the division f the right pul monary artery through an incision outsid of the vena cava superior The experimental work in this latter approach has not yet been completed. The advisability of ligating the main branch or its divisions is discurred.

If it should be shown that pulmonary shrinkage

and collapse therapy of the lung do not cure or at least greatly improve the trouble pneumectomy will become the operation of choice since we have learned t close the bronchus airtight.

Saverbruch The Influence of Artificial Paralysis of the Disphraum upon Pulmonary Diseases; Phrenecotomy (Die Berinfusung von Langener krankungen durch künstliche Labrating des Zwerg fells, Phrenikotnesis) Muschen, and Webster

9 J. ix, 6 5 By Zentralbi £ d ges. Chir ts. f. Grenngeb.

The wither performed the extrapleural thoracoplasti operation f i berculosts in fifty-eight cases with only two cases of post-operative passimonia of the inferior lobe he describes these as aspiration pneumonus differing entirely from the views of Wilms. In neither of these cases did he do proliminary or simultaneous compression-operation on the aferror lobe of the lung. This fact and the belief that the thoracoplastic measures t be adopted must be rtensive, despite the healthy condition of the inferior labe, led the athor back to earlier studies, viz. the attempts to place the disphragm in the position of its maximal expiratory movement by parenecotomy in order t produce a positio of rest f r th lung, with compression and connective tissue proliferation. Bardenheuer did this operation at the suggestion of Stürts in case of bropchiectaris. The recently published studies of Schepelmann concerning the artificial paralysis of the disphraym induced the author to report his not yet completed experiments in five cases, earlier than he had intended. It is not difficult to locate the phrenic nerve by an incision o cm. in length, along the posterior border of the sternoclesiomustoid muscle. The erve is 5 mm in thickness and is easily found lying on the scalenns anticus muscle. Consequently the author suggests doing the phrenecotomy t the location of the preliminary compression of the inferior lobe of the lung. He also claims the operation to be applicable in case of bilateral tuberculosis and in bronchiectases.

SURGERY OF THE ABDOMEN

ANDOMINAL WALL AND PERITONEUM

Trapi An Inflammatory Desmold of the Abdom Inal Wall (Mohitry desmod selm blackh) Cas. id. Cas. 9 5, id. 16

By Zestmild I d go. Chir u. i Grenegels.

Duning May o subserous myoms was re-moved from the right side f the funding steri of a 53 years old pregnant patient. Recovery was nor mal, the wounds besing by arst intention. The following September the patient was delivered spontaneously and there were no complications Four weeks fter labor the nations had fever and complained of pain in the lower part of the bdomen three days later she was admitted t the hospital. Temperature t that time was 38-39.8° C. There smooth cicatrix bout 5 cm. long in the cecal region as result of the former laparotomy A solid non-sensitive rumor was present extending from the left pelvic region over the median line, up t the scar this mass was connected with the abdom igal wall | Laginal examination revealed fluctuat ng mass connected with the uterus and which ex tended t and was part of the tumor of the anterior abdominal wall. The vagunal incluion resulted in the discharge of serous fluid. After symptomatic treatment extending over period of seven weeks. the fever abated. When aparotomy was done, the incision was made parallel to the selt ade of the tumor. This consisted of inflammatory tissue several centimeters in thickness growing from the deeper layers of the belly wall. The upper part was so intimately adherent t a loop of the small intestine that it as found impossible t separat the dhesions by the ordinary methods, hence partial

resection of a large part of the tumor was done this disclosed a small aboves in the lower segment of the

growth, near the wall of the bladder Drainage was established t the lower angle and

the abdomen closed. tempery was uneventful. Several silk bigatures were discharged through the drainage facula. The migroscopic diagnosis was inflammatory desmoid, chronic granuloms con-taining then stries. The entirpated tumor belongs

t class of inflammatory recoplasms frequently following bernia operations as described by Schloffer, Halm, Bakes, Ehler and others. They grow around injected Batures, PIRTRIBOTED. Sonemy Fire Pibromyomata of the Disphragm

Simulating Hydatid Cysts of the Livery Myomecromy; Cure of the Patient; Prescuta-tion of Specimen (Clog Shronyones de da-phrague shrotast as kysta hydatique du foir myopictuale; guirion de la malade; prisentation des pièces). Peris chie 9 3, iv 051-By Journal de Chiruccia

A other, 34 years old, without any personal er family history of interest and with no functional disorder complained of mass which extended below the right costal margin and caused pain all over her right ride up to the shoulder. The main was globular fluctesting and raised the costal margin below which it extended. A diagnosis of hydratid cyst of the liver was made

A laparetomy incision was made at the external border of the right rectus muscle Bonamy found b) bh white mass which he punctured and found t be solid. On further investigation it was found t extend up under the border of the ribs and t be ttacked t the diaphragm by pedicie which penetrated a large gap in the disphragmatic musculature. By his fingers and a Museux forceps the author was able to enucleate this tumor and four more hard tumors which were embedded in the disphragm without injuring the disphragmatic pleurs which was exposed. Fear of injuring this caused him to leave small tumor the size of a nut The removal of these tumors left large cavity limited above by the disphragm and below by the liver which was drained and the abdominal incusion closed. A normal recovery followed. The specimens examined by Philibert were pure abromas the largest of which weighed 800 grams and the smallest I-L. ROOK BERGER. TO ETEMA

natein Etiology of Hernia (Zer Kesziszok der Hernien), Arck f His Cher 9 t.c. 004. By Zentralbl. f d. ges Chir u. i Gezogeb Bernetein

Bernstein examined the entire port-mortem material of the Berliner Anatomischen Amstalt during the intersementer f o o o o and o 19 the reparts the formation of terms, a find up-port for the theory f Koch, you Bergmann and Waldeyer that every bernia is predisposed to anat mically. The author found 5.8 per cent of 279 bodies t have a herois or hernial bod. The frequency of heruis in man in proportio t somen is H to The relationship I multiple heruis to the almohe in men is 14 to un woman q + t theory that the pressure of the abdominal wall causes the hermia is probably overthrown to-day The explanation that the pressure I the abdominal wall could be aided by poor anchorage and position of the bdominal content is not sufficient support for the production of hernia. Roser suggests that the hernial sac must be considered as primary The entrance of the intestine follows secondarily Linhard explains the formation of the bernal sac through bulging f the peritoneum. Il says it is usually preperitoneal lipoms which is forced out ward and pulls the peritoneum after it. The antho argues against the theory f Linhard because in the 270 cases he found only six in which there was preperitoneal Booms. From the striking frequency of multiple hardse and buds in the same individual (9.4 per cent f the multiple against 6 4 per cent of the simple hernia) he could des that the origin f the hernia consists in an anatomical predisposition, which can be traced t processes in developmental history Kmin

Ochaner Th Treatment of Hernia in Children. J Lenced 9 3, xxxx1, 27

By Surg Gynec & Obst. This paper contains clinical observations on the treatment of hernis in great number of children, covering period of 7 years, as ell as a study of the vallable hierature.

Based upon these studies and climcal becryations the following conclusions are fiered

The development of hernia in children is favored by () faulty development of the abdominal

wall (3) insufficient strength in the tissues involved in closing the umbilical, inguinal or fem ral openings (c) abnormal intra-abdominal pressure (d) nuclosed condition of the tunics varinalis.

The causes () and (b) are frequently in-

herited.

3. The abnormal intra-abdominal pressure is due () to gaseous distention resulting from improper leeding (b) to the exertion necessary t evacuate the bladder on account of obstruction due to phimons (c) to severe pressure necessary in defects tion in case of constinction (d) to severe, long continued coughs (s) to omitting (f) rarely to traumatrum overexection.

4. Approximately or per cent of all cases of hernia in children will heal montaneously if the abnormal intra abdominal pressure is relieved and the hernial

eac is kept empty

c. This can be accomplished by means of trusses. or m ch more rapidly in inguinal and femoral hernia. by placing the child in bed with the foot of the bed elevated each night for several months from 6 P M. 108 A. M

6 Children with tendency to the formation of hernia abould be guarded against developing

7 Their diet should be given at regular times and chosen with view to avoiding gaseous distention.

8 Consultation should be entirely prevented. In case of boys, phimosis should be refleved.

if present, by operation, Badly nourabed and hadly cared f children f the poor ahould be treated in hospitals by the above method.

Operation is indicated () in strangulated hernia (i) in irreducible hernia due to adhesiona () in case the opening is unusually large in free berma, especially if the condition is hereditary in reducible hydrocele, () in cases with undescended testicle, unless they show a tendency toward spon tanrous cure

Except in classes () and () the operation should consist amply in carefully disserting out the sac, or in certain cases of inguinal hernia the neck of the sac figating it within the abdominal cavity cut ting way the sac, and permitting the stump to retract within the abdominal cavity and closing the akin wound.

3. In class () the Ferguson-Andrew operation le indicated

14. I class () the Bevan Ferguson-Andrews operation is indicated

5. The recumbent position, with the foot of the bed elevated, is of very great importance in the after treatment i operative cases as well as in nonoperative treatment of bernia in children.

 I young children who will not remain in bed with the foot of the bed elevated this position ca usually be maintained by pplying rubber dhesive straps t both lower extremities and having these held in vertical position by means of weights and 7 If the child cannot be kept in this position, well-ditting tress should be worn night and day until there has been no protrusion for at least six mo the t the same time the necessary precautions must be constantly taken to guard gainst boormal intra

bdominal pressur from my cause.

8. Only 5 per cent of all cases of hernis in chil

dren require surgical treatment

Haller Chronic Inflammation of the Omentum in Relation t Chronic Appendictits and Collits (Des épicates chroniques en rapport et l'appendict et la coin chroniques). Para Sitenbed, 9 By Zestrabb (1 diges Chir u. I Gronagsh.

W there trust directed attention 1 chronic inflammation of the committon in 8-95. Largely on the bases of Wahther material, the author no gives on acted presentation. I this highly lateresting and rare disease. Here belong only the concent inflammations as a scoped it appendicting and colutes. The colliss may be primary but is meanify a separal of the promistions and expectably again of colliss are promistions and expectably again of the promistion of the promisers of disease in the softens the commisted changes in old berrane et all now be considered. They are entirely different in the pathologic maximizal some from the changes been considered.

The mental inflammation following chronic production or chronic primary colits are char retried by their extension far beyond the original flammatory focus and their mospendence. The compile is likely they call forth are determined by the mechanical inflammatory character through by the mechanical inflammatory character through the time of the internal flammatory in free, and the constraint of the internal flammatory in the constraint of the internal flammatory in the constraint of the constra

In the early tages of the inflammation the true chronic epipioitia is recognizable by the very color of the mentum. The inflammation occurs in spots or larger areas. In the further course chacteristic nodules are formed of bright red color and considerable resistance, giving the omentum th appearance of granits (granite spots") With increasing scierous the oment in may take on leathery consistency fine strands pending free from one part of the omentum to the other may be fermed, especially on the posterior aspect, and the so-called retraction-knots" are formed which distort the omentum and may again be the seat of inflammatory changes Finally after the inflammation has run its course shining white plates are seen (mother of pearl spots ') Bendes these changes you find smaller or larger hematomata, often quit numerous in the omentum. The changes are noted chiefly in the right ade of the bdomen but often over the entire omentum. It may shrink to sausegoshaped tumor and distort the intestin without dbenous

thesions may be dded Omental adhesions to the terior bdominal wall or the pelvis are most frequent. Consequences descent of the

transverse colon and at march dihesions of the colon in the kida yregion (periternal band") constriction of the colon by log-shaped omental bands spread over it (precolor ring") but especially dihesions to the right angle of the colon whereby the colon is thinked. The well-known membranes over the executed of the colon whereby the colon is created as the colon whereby the colon is that of the colon whereby the colon is the colon of the colon whereby the colon is the colon of the co

nated with epiploitis. series of 453 ppendectorales (interval operations or primary chronic cases) there ere 37 cases of true chronic epiploitis. Of these of were without, and 8 with adhesions. Simple adbesions, such as those of the organs of the priviare not included. Wherever true epiploitis as present in the pelvis an old ppendicitis was al ya found. Clinically the cases are separated int. those in which the symptoms cannot be differentiated from those of chronic appendicitis, those in which the phenomena of the epiploitis are in the foreground, and those in which in spit of an ppen-dectomy all acrts f symptoms remain. I case, of severe kinking violent symptoms and occimion Crises may supervene The inflammatory foci in the omentom (even in the third group) may give exactly the picture of an tisck of appendictis. The symptoms are those of indigestion in manifold Variety gastric disturbances, constitution varying often with diarribon, unpleasant bidominal seasations, dra ing sensations often sharply localized (umbilical region iumbar and kkiney regions) flatulence, general weakness pullor etc. Somemental cake may be palpated. In every abdominal operation it is necessary to examthe the omentum systematically. In an appender t my on can mostly pull the omentum through the usual small incision and convince oneself of the condition of the colon. If alterations are found, a large incision may be made. The operation in-dicated is resection if the diseased portion of conentum and locarning of pericolic membranes.

GASTRO-INTESTINAL TRACT

RITHUR MANDE

Brown The Etiology Symptomatology Di agnosis and Treatment of Acq Ired Displacement of Fination of the Stomech and Intestines. T Am. As. Physicians 9 3 Illin By Surg., Gyac. & Obst.

The ther presents series of observations or required finition despinement of stomach or laterine some as the desnite local or referred preptors, many which on account of their long duration repurded as cases of neutrathenia, psychasthenia, stud-nat teating or nervous indigeration, but which in reality were due t. definit . repairs changes in the paracolaterial trust. In this series were 3 cones surroduced in trust. In this series were 3 cones which have not been operated upon. In the steme group, by the topy in vivo be has had at hand means of fixing the relative value of the clinical symptoms and comparison bet een them and the anatomical conditions. Poised as it were between two opposing forces, insperst by muscles and those of the abdominal wall nd pelvic floor and fixed at but few points and loosely t that the gastro-intestinal tract is singularly labile congularly susceptible to change in position. I this series be has not included those cases d t pressure hanges within the abdominal cavity to weakening of the supporting tissues, to pressure f new growth ctc. but has confined his attention attreby to those due to the traction or constriction I adhe

In the vast majority of high-grade displacements or fixation of the large intertine, symptom are met with explained only on the back of a chronic toxicmle, and certainly the anlage is there in the displaced kinked intestine deficient in ton and

propullive power Certain points f especial interest were brought out in the study of these cases—the marked degree of gastric or intestinal displacement possible ath no (or slight) local manufestations, b t in almost II

cases with some impairment of general braith With even alight evidences of inflammatory condition in ppendix, gall-bladder etc the gastric picture presented was of the hypersthesic type. while in the case of atherious with no inflammation even I low grade the authenic type of stomach was mor uroal. In t of these latter cases they met with hudis plenke in t the side open pylorus with dilated ducdenum, egarded by Cod man as gastro-mesenteric tiens.

I certai cases fadhesions between sall-bladder or liver and lesser curvature of stomach we have the organic basis for the orthostatic type. I hour-glass stomach with obstructive symptoms, expedally marked in the upright and ameliorated in the prope

noultion.

Consigna is present in number of cases f chronic appendicitis, and if permstent without signs of tuberculosis should make one suspect this as cause.

Photoscoov was done in all cases, heades the X ray photograph and the former gave, as nothing cise can, a means of studying these firstsons and displacements and the effect of change of position and the respiratory movements, and furnished the best criterion as t the probable success of nonoperative or the necessity for surgical treatment.

Chronic changes in the pancreas were met with in certain of the toxic cases, and probably play conaderable role in the production of digestive and nutritional disturbances. In this same group of cases peculiar regressive changes in omeatal and sigmoid fat were seen, sometimes associated with

In all cases, in addition to the proper dietetic and medicinal treatment posture, exercises, manage, cor sets, etc., should be tried, using repeated fluorescopic examinations as the criterion of efforts. It is surprising bow m ch success will f llow this treatment if

the adhesions re-not too dense the Li Ling or constriction not too marked.

If non-operative treatment has prove unsuccessful, recourse to surgery is justifiable -- appointed my separation f adhesion drainage of the gall-bladder pyloroplasty gastro-enterest my ppendicost my

or creest my as the case may be After all these operations, and in fact fter Il operations within the abdominal cavity however simple proper after-care is absol tely essential t nor ent the formation of new adhesions and in the lack if this after-care the surgeons have been singularly negligent as a rule, and have sometimes left behind a condition no less, ad often mo e serious than the condition for which they were perated Such after-treatment consists of very freement hange ! positio during the carry days after the oper tion, by moving the patient from sld to side by alternately elevating the foot and the head I the bed and, as soon as the condition the wound were to it massage of increasing depth

he Lept up considerable period of time

I all cares and congruital tendency t splanch poptosis, especially in hildren, one should try by exercise det massage et it improve the tone of the abdominal muscles, i increase the bilominal fat and t enlarge the lower thoracic zone. In the hope of preventing prosis of high grade with its tendency t statis low grades of peritonitis and appendicitis, and consequent secondary displacement fixations, constrictions or Units.

A consideration of these cases brings out certain

prograf facts

Alarge group feases usually considered of inne tional nature have in reality true organic basis in a fixation or displacement of atomach or intestines. In many cases it is impossible to find any cause for the condition except a long lasting stasis of intestinal contents which seems under certain conditions t lead t chronic appendicitis, pericolitis or perity philtie with subsequent formation of adhesions in other cases a careful analyses of the clinical bistory will being out an acute attack, often in the far past and usually regarded as of triffing nature which in all probability was the beginning of the trouble, the first cause of the changes being in the gall-bladder or duodenum, pylorus, o ppendix cacum. sigmoid, as the case may be. colon.

A chronic ppendicitis pericolitis, inflamma tory condition i the gall-bladder a superficial erotion or ulceration of the mocous membrane f pylores or duodenum, or neoplasm may cause adbesions and associated fixation or displacement of stomach or intestines without definite local signs or symptoms in which a diagnosis is only possible by the use of all the diagnostic aids at our command, study of the temperature at rest and after exercise f the leucocytes, f the contents of the stomach after the test supper and the test breakfast, of the uripe and feces the former t belp us in mentary way it is true in determining whether the

liver is insufficient in its protective mechanism

against poisons produced or found in the intestines. poisons which probably play a considerable role in the production i certain of the symptoms of the case, the latter especially to occult blood, un digested foodstuffs, and for quantitative estimation of the pancreatic ferments of the character and localization f pain or soreness f present, pain down the right log or in the right hip being I especial interest in diagnosing chronic ppendicitis and the use f the X-raya, both radiophotography and fluoroscopy being employed by us in all cases, the latter in our experience being if adamental importance, as by its use are able t study not only change in the positio of stomach or intestines, but also the effect of deep bedominal inspirations and expirations and of the change from upright t prone position in other words, fluoroscopy all tell us as

thing else—except long series of radiographs the effect upon the motor function of stomach or intertine f the fination displacement. By the employment of all these means correct diagnosis can be made in the great majority of cases, if may judge by the vertication of the diagnosis in our

group of cases by the operative findings.
3. I certain of these conditions we bat e without
doubt the organic basis for various vague functional
disturbances of digestion or for conditions regarded
as persistients, psychiathenia or of condition of
health in which the patient is neither sick now well,

but alse ye below par. An organic digestive condition, even if of very low grade, may change perso i even normal nervous habitus int neurestbenic if it acts over rufficiently long period of time and obviously upon susceptible nervous system the type so frequently met with in solenchnoptons, in which secondary fixations or displace ments are so common, the effect. Ill be greater and more permanent. It would seem, therefore that the diagnosis of neurastheria, psychastheria or thronic nervous indirection is only justifiable after the physician, by the use of all possible disgnostic means, has been hie t definitely eliminat the possibility of an underlying organic basis of hich these acquired fixations il displacements of stomach and intestines play considerable rôle.

It must not be forgotten in the study of these cases that functio as more important than form physiology than morphology and the assumption change in position in the intestine from horizontal to vertical will materially increase the difficulty of propulsio is contrary t the fact that for gons of years this has been taking place in certain portions of the intestinal tract with no powent disturbance. It is lack of tope not lisplacement per se that is the cause of the trouble, although in the origin of this atonic condition, dbesions, displacement, kinking and constriction may all play a part, and it is only by exceful quantitative and qualitative studies I ferments and comphoated chemical substances that we may hope to finally reach the basis of the local and general disturbances met with in this group of cases.

Zanijer Successful Transpieurul Resection of the Carcinoma of the Cardin (Erfolgricke transpieurule Reschion closs Kardin archeesa). Best Max. Clos. and herifil Architecture.

bles. Che quy herrill, 4 o.
By Zentrajbi. L d. ges. Chir. s. L Grosspit

The author reports a case of carrinoms of the cardis's which be operated secretafully by transpleural method of his own. After he had determined by explorators in laparotony the presence of a immer to the cardia which reached to the histon of the temphagus and was mornable hard, the mas of a Digront erg and had made fittula to the priorite and atter the method of Kader he undergook; eve weeks latter the actual resection in t stages in the following manner. In the first period under pressure narrossa he resected sub-periostically the 6th to the shad not be that side for distance of from 4 to 8th had not be left side for of distance of from 4 to

4 cm. from the costal cartilage back and t the agles of the ribe, through two incisions rousing parallel t the ribs. II closed the wounds by Uter the patient had sufficiently recovered from this step the radical operation followed after therey days, again under pressure narrosis. He mad circular inclosed in the left hypochondrium from the mammillary line upward to the posterior axillary line and reaching above the angle of the exapula. He then opened the abdomen and the left pleural cavity. Introducing the left hand into the bdomen and the right int the chest cavity be determined the oper bility of the carcinoma, sich extended t the disphraum Next he leolated the deophagus during which the right pleurs was torn into in one small place. A gause strip was led around for traction with high the emorphogus was put in tension. The disphragm as split in the muddle up t the hostus of the crooplayers and a Occular incition I the disphragm ring was made. After figating the omeatum minns and cutting through the left transpolar ligament and the gastrosplenic branent the stomach could easily be pulled out so far that it could be cut through boys the tumor bet een to clamps by means of thermo-After sut ring the aboral lumm it was again replaced into the abdominal cavity while the tumor end which was closed with clamp was placed outward. Following this there was dissection of the craophagus, partly by cutting and partly by blunt dissection, till the healthy part could be pulled up to the skin without stretching. After the incision in the disphragm had been carefully closed in two layers and t the same time the tear in the right pleurs closed, the left hing was inflated and the oscophages fixed to the costal pleurs 4 cm. above the tumor. The left chest cavity was hermetically closed and the abdominal wall was closed by suture. The t mor was finally removed by cutting with thermometery between t clamps The clamp which closed the enophages was allowed to remain is the bandage for three days t wold as

infection of the wound t too early period.

As regards lew details of the method of operation, the following can be dided. The athor

does not believe in primary union of the stomach and coophagus. He expects to do this at a subsequent operation. So that the patient might parials of soft food through the mouth he united the orsophagus fistula with the stomach fixtule by an apparatus. He considers the preceding extensive resection of the ribs as an important step in the actual removal f the tumo He thereby obtains a collapse of the left side of the in the ray obtains a countrie of the sett rate or the chest, whereby the operative field, which is other wise very deep can be more easily reached, and permits the subsequent resection. I the tumor. H emphasises the fact that it is advisable not to remove the th even the 11th rib in the first operation, because after their removal the diaphragm will per mit the lower part of the thorax to retract too much at times through displacement I the mediastinum severe disturbances of rescaration follow which, however can be overcome by administration of oxygen under pressure.

The uthor regards the thickening which the cortal pleurs undergoes an additional advantage of the preceding operation n the chest wall. The subsequent nourishment if the emophagus follows much better from thickened than from

thin normal plears. The fear of Sacerbruch and Enderten that the extensive isolation of the coopingus results in barraful reduction of its nourbhment the authors does not agree with, as a result of animal experiments. News

Friedenwald and Bastjer The Value of X-ray Examinations I the Disgnosts of Ulcer of the Sternsch and Duodenum. T An Am. Francess o 2 May Br Sury Greek & Oks.

The diagnosis I where of the nomenh and duodocum is at times most difficult problem. Not infrequently important symptoms are absent and the cases then become so typical their say additional and in diagnosis must be looked forward to with great satisfaction. The V-ray has presented to the most of this affection. While the without do not believe that this method is as yet sufficiently only delivery than the method is as yet sufficiently confident that it often offer most form they can confident that it often offer most form they can as an aid in diagnosis of quit as much practical values as any of the fine-period symptoms of the discase and, taken if connection with the other signs is of the present diagnosite help.

They have selected from their eighty cases of peptic alcens, in which X-ray grammations have been made t enty for this report, including those aly concerning which they could feel confedent as to the correctness of the diagnosts. Of those, there are ten cases of deedenal and ten cases of gustric alcer.

Three of these cases were operated on and the diagnoss was thus confirmed. Three others had been operated on, and the ulcers were revealed at the time of operation, bet were not interfered with hille the remaining fourteen presented such typical symptoms of ulcer including the presence of blood

in the stools, that the correctness of the diagnosis in these too remains undoubted

The cases were first studied clinically and then without any note being given as t the nature of the disorder were sent for \(\lambda\) ray examinations.

The two reports were then placed side by side, and the clinical and \-ray disgnoses corresponded so closely in every instance as to make the results apnear most stiffing.

The X-ray diagnosis I gastri ulter and doodenal mice has engaged the attention of the Rost processor mice has engaged the results of the Rost power appearance was X-rays of the gastro-intestinal tract. The old theory that there is a possibility of diagnosing ulter by bismuth adhering to the raw surfaces is now practically shandoned insample on a surface is not an appearance of the processor of

At present we are raiying more upon the functioning of the stomach and intertines than upon the actual demonstration of the ulcer

Carlotaly erough th diagnosis of duodenal uders is much amples than that of particulers. One can practically always rule of the presence of doodenal uder but one cannot always rule out the presence of grating uder.

From their studies the uthors have drawn the following conclusions

The V-ray offers most valuable assistance as an and in the diagnosa of peptic nheer: and although this method is not yet sufficiently well developed to be relied upo alone without entering into the climical aspect of the disease, it is of the greatest diagnostic help in obscure cases

mothry of the stomach with rapid executive hyper mothry of the stomach with rapid executive. If the contents, so that the greater portion of the gartic contents is empited shifm the first half hour there is hypermothry of the doodenum with formation, neathy of a vacant area, which remains fixed in all of the examinations

3. The diagnosis i guatre uler can only be made in certain ainutions that is, when the lesion is situated on the anterior surface of the stomach and along the anterior surface of the lesser curvature. There is in this condition an excessive irritation from the ulers with consequent hypermollity and a sparse condition of the priorus, so that for the time being there is practically no expulsion f the bismuth.

It is only when the spasticity relaxes that portion of the birmuth is expelled. In gastric ulcer whatever its situation, we can always look for retentio of contents. In certain irratances there is wear a trea in the pylorus there is frequently a tendency to bour-glass formation.

4. The \hat\text{-ray} affords an almost beolute means of differentiating between gastric and duodenal ulcer

5. By means of the '\ ray we ca positively rule out the presence of a dwodenal ulcer 6. We can approximately determine the degree of

o. We can approximately determine the degree of healing of an ulcer which cannot be as certainly determined in any other way.

Smithles Gastric Ulcer without Food Retention A Glinical Analysis of 140 Operatively Demonstrated Cases. Am. J. M. Sc. 0 x cells 340. By Surg. Gynec. & Obst.

To J by 9 there has been 344 operations per formed for elicer of the tomach and dondenum at the M by Cllaic. Of this n mber 404 ere proved to to be ulcers of the stomach in fix (653 per cent) of of these pastric ulcers there as a definite food retration demonstrable after twelve bours by the result and cooked nextents (Strauss Haurmana) 1 4 of these (4.04 per cent) owners with nerower latera.

o food circution was evident. Case to their with food retriction permit of much enser disposals than those in hish no food in retuned and this studof histories with applied routine physical examinations not interest product in dempred; it reduce the large number of easier whose performs are so blurred by duodensi grill bladder and appendix maniferations their unreverted disposal is

rare
The thor gives 5 tables relative to the cases reported and from the study of high by gives the following ummary

In more that one third of operatively proven gustric silvers the emptying power of the stomach was mall lained.

A nety-two per cent of this group of leers occurred bet een the ages of 30 and 60, maies being afflicted three time as frequently as females. The American-born farmer furnishes large umber of them.

them
3 Irregularit of food ingestion the the use f
alcohol is not uncommon outcomits t of gastric
ulcer

4 Eighteen and nine tenths per cent had previously had typhoid fever

ously had 15 phosd fever

5. A mild grade of secondary memus as present
in the verage case.

6. Weight loss veraging more than a cuty pounds without marked cachesia was shown in this series. The loss may be so rapid that malignant disease is suggested, but some cases consistently gain in weight.

7 Appetite was lost or was capticlous in nearly three fourths of the cases more than 65 per cent wer constituted.

8. Nearly three fourths of the cases had spells or ttacks of disconator with good bealth in between such ttacks Such a history often cartended over 50 years without alarming clusten mailtenations. The statichs between the common particular transfer of the such as t

 Abdominal pain or distress was a constant symptom in gastriculter. It was colicky in asture in more than a per ent, requiring hypodermic medication in per cent of cases. It was frequently mistaken for appendix or gall-bladder dueses, and often associated with such is addition to gutric ulcer Vight pain with loss of sleep was present in 19 2 per cent of cases. Eighty per cent of patients complained of epigastric distress frequently referred to the right costal margin or the back. In \$7.3 per cent of proved alcers pain or distress had definit relation t food ingestion. Eighty-three per cent of cases sho ed pain or distress coming on within four bours following eating. \early twothirds of pyloric ulter cases had discomfort from two t four hours after eating, more than one half of lesser curvature ulcers from one t three hours after extlar more than t thinks of nonterior wall alcers with three hours after eating and more than two third of alcers pear the cards less than two bours after a ting, while more than 44 per cent of this class less than one bour after eating Ducomfort was most frequently controlled by ingesting of food afkaller and by comiting, 19 2 per cent regained morphise

On palpation epigastric tenderness as exhibited in 95 per cent of cases. It more that three-fourths of the thors a cases the readerness was not marked in the upper right belominal quadrant. It per cent

in the upper right bosonical quadrant. 3 per cert
of cases show do pelproble ridges.

More than four-fifths of the alters were located
t the pyloric half of the stomach, and this was is
ceneral the anatomic arra of greatest complials w

distress on examination.

The diagnosis of the character of the ulcer to be found on exploration as only possible ken a care-

ful tamnesis was made. to. Vomiting was present in nearly three-fourths of gastric alerrs without food retration. About 17 per cent womited food. Only rurely as delayed womit ing observed. Vomiting was induced in more than I per cent la cases to relieve pain. Nearly 40 per cent W terbeneb ann of patients vomited regularly prominent feat rein oper cent pyrods nd eructa-tion in 87 8 per cent. I nearly one third of cases vomiting came t the time of maximum abdominal distress. In 3 per cent of cases the ingestion of food precipitated vomiting more than 53 per cent wondled this three bours after ting In ; per cent night vomiting was feat re. Ukers t the pyloric end of the stomach ere most commonly associated with vomiting even when there as no isterference with the emptying power of the storach-

Hemorrhage, Of 70 proved skern in this group bleefing (hemathemse in radena) was sociol in bul. 4 7 per cent. About one fowth of the case had kernatenesia slove. One third hemathemse with or without melena hilb 7 per cent laid with or without melena hilb 7 per cent laid proposed modern. I be morrhage a re- usually sare-clasted with faint feelings or settual fainting (a per cent) Hemathemsel was more frequent than acless, seen Hemathemsel was more frequent than acless.

but melena alone may occur entirely independent of the locatio I the ulcer While bleeding is associated with any type of ulcer nearly two thirds of those doing so show operative evidences of periors. tion

12. Test-meal findings acidity Irrespective of location of the ulcers the average total acidity was 55, the average free HCL 42 5 the combined HCL in 8 per cent of cases, between 10 and 20

Total scidity is most commonly higher in ulcers involving the lesser curvature and anterior wall than where ther parts I the st much are involved. High free HCL is noticeably more frequent where the uker is at the pylorus. While high free HCL is usual in cases in the third decade of life, this is not the rule.

Following food ingestion the great majority of cases show pain within four hours. This series shows that during this period free HCL is progresslvely increasing Patients complaining of con tinnous distress do not pecessarily have acidity \omiting is not usually associated with high free HCL More than half of the non-womit ing cases had higher cality than was the verage of those vomition. The average free HCL of patients bleeding was 35+ More than ball of the cases giving no history of hemorrhage had an average free HCL of 46

The highest free HCL averages are associated with subscut perforating alcer

Operative findings. More than two-fifths
of the ulcers were at the pylorus.
 Of so elcers microscopically examined in this series

4 per cent showed active inflammatory change

net cent carry carrinoma. In 35 per cent of cases, diseased appendix was associated with gastric ulcer. In 5 per cent chole cratitis and choiclithians were demonstrated as concomitant processes. In nearly two-thirds of this group of gastric ulcers diseased ppendix and gall-bladder were revealed operatively. In view of these figures it is evident that all laparotomies should be thoroughly exploratory even when well-marked gastric picer has been demonstrated. Operative procedure should be adopted to the individual finding on exploration. A routine technique is fre

quently crountable for poor post-operative progress. Prompt relief of symptoms with a comfortable after-course is the rule following operative treatment of retention-free ulcer cases. This series showed an operative mortality of .4 per cent. Rather more than 4 per cent required second operation, This usually occurred in nommon cases.

H. A. POTTS

Corner ner Perforation of Gastric er Duedenal Ulcers; Inferences en Modern Treatment Drawn from Histories of Patients Who Have Recovered, Lance Lond., o 5, chrory 600.

By Surg., Gynec, & Obst.

The author classifies the alcors particularly under discussion as gastric ulcers, which are present at the

cardiac end or in the body of the stomach, and pyloric ulcers, which term includes ulcers on either ade of the pylorus, Le in the stomach or duodenum. Taking up the question of the performance of a eastro-enterestomy in cases of acute perforation, be does not a tree with Sir Berkeley Moynihan that a gastro-enterestomy should be performed at the same operation as that at which the ulcer was sutured. He reports 4 patients who have recovered from an operation for the perforation of a gastric ulcer be-tween 1900 and p o. He says that the patients owe their cure largely to two factors (1) the situa tion of the picer and (a) the pathologic character of the leet

() The situation of the pestric ulcer From his investigations he believes it is reasonably certain that picers in the cardiac end and body of the stomach offer a far better chance of complete cure than do alcers in the neighborhood of the pylorus, whether they be on the anterior or posterior wall or on either curvature. He believes that one is quit saf to arvue that a matro-enterestomy is not required in an many as half the cases of the perforation of a gastric or duodenal picer

() The pathelogic character / the silear sum up the results of his examination of these 40 cases and 5 years of literature, it would seem that

Many subjects of the perforation of a matric uker are benefited by a gastro-entercatomy. This is particularly true if the perforating ulcer is in the neighborhood of the pylorus, gastric or duodenal,

2. It would appear speaking generally that a accordary gastro-enterostomy L e. after the ne tent has recovered from the immediate danger of the perforation, is better than a primary gastroenterestemy

3 It is better for the patient to have a secondary existre-enterestomy when it is required than t have the additional danger of a primary gastro-enter octomy which may not be needed. It would appear that the betting is rather against than fo the gastro-enterostomy

4. It has not been shown that a primary gustroenterestomy presents such advantages over a sec codary gustro-enterestomy that it should be true ticed in the treatment of the perforation of nicers even when attuated in the neighborhood of the pylorus.

In reference to occlusion of the pylorus Corner says that without pyloric obstruction a gastroenterestomy is no panaces for ulcers in the neigh borhood of the pylorus or duodenum. This occlu sion of the pylorus was first suggested by Berg. Since this date the author has always placed a Egature on the pyloric end of the stomach when doing a gastro-enterostomy for pyloric ulcers. When the patient a condition allows it, he has had better results from posterior gastro-enterostomy done after Roux's method than any other. In d. fault of being able to do a Roux's gastro enterestomy he believes that it is better t do a entero-enterostomy and place ligature, not tightly on the afferent loop of the jejunum between the entero-enterostomy and the stomach as first suggested by Fowler

The best local treatment for perforated gastric or duodenal ulcer is to close it by suture and th abdomen with dramage. Many perforations deemed to be closed satisfact rily t the operation are not so an hour two later hence there is justifiable doubt whether cases of perforated gastri or duode mal nicer can recover when the perforation is not closed, or t least are imperfectly closed. He says the firm closure I the perforation and of the abdomen, without draining, is adoubtedly the best treatment that can possibly be carried out. If this fails ppears to afford doubtful closure f the perforation no further time should be spent on ft. but the nicer plugged and drained this drain is removed in about 16 hours under angesthesia with mitrous oxide gas and is not replaced. In regard to the occurrence of ventral hernia, examination of the patients who had recovered from an operation operations for the perforation of gustine or duodemal nicer showed t facts. First, it may be premuch that ventral berme are not infrequent after an operation for the suture of perforated guatric or dwodenal ulcer Secondly where two incisions were present, it was more usual t have bernia through the scar in the upper abdomen than

through that in the lower abdomen

Dorate C. Balloon

Farry Results of Surgical Treatment in 63 Cases of Plais Cancer and Cancer Imbedded Upon Ulcers, of the Stomach (Résultan de trustment chrungeal) de 69 cas de cancers et olefro-cancers gas tragues) Ariá de seal de 7 per depet Pat 9 3, vd. 6 By Journal de Chrunge

Of so cases which Mathieu has had operated open for carcinoms of the stomach since ooy Faroy has only to records which are sufficiently complete to be servicesble for analysis. These allow study of the post-operature course and the condu-

tions favorable to prolonging life.

All the pylorectomies have been follo ed by

recurrence

The patients on the service of M then who ere
in too feeble or cachectic condition ere not
operated upon because in such no benefit as derived
from intervention.

Out of eight exploratory laparotomies, six died soon after the operation (3 o. 3 and 30 days) two survived (one si months, the other one year)

Of thirty-nine gastro-enterostomics, eight surwired from 1cw boars 1 few days eleven did not survive dis months nine survived for six months to one year nine (rom one year to two years one has gurvived two years and 6 months) one there years (3 years and 4 months)

Among these thirty nine must be included uine ulcero-cancers (carcinome developing upon pre-custing ulcer) five (55 per cent) have not sur vived one year four (45 per cent) have survived over one year

Of the remaining thirty (pyloric cancers or cancer of the lesser curvature) 77 per cent have not fived one year 3 per cent have lived more tha one year. Eleven simple pylorectomics (Billroth I) were

Eleven simple pylorectomies (Biliroth I) were perf rmed five died in few days five survived from one t four years and six months one (total

pastrectomy) survived three years. Six Billioth II two died in ten and fiften days respectively four survived from two months to a year and ten months. Thus, as per cent field in a less days and 55 per cent made satisfactory recomes. Of the statest cases ten had an utervo caser and six cancer of the pylorus. The results appear better the hularno-cancer.

The extent of the peoplesm, II it causes a stenosis, should not be a contra indication to gastro-extensionly since this allows the patient to be somished.

According to the character of the tumor the state of the

According t the character of the tumor the results are different, thus in ulcero-cancers the sar vivors of more than year are 66 per cent is cancer proper they are only 13 per cent.

The results are not so good in the young on acco at of the more rapid development of the ncooksm Immediate improvement in general follows operative intervention and is very marked in most of the cases, being evidenced by increase of appetite. Increase in weight is almost constant, the degree and rapidity varying. Of seven radio-acopic examinations, in six cases the stome functionated periectly in one case the stoma functionated alightly and six months later not at all. In two cases of the seven, the pylorus had regained in part its function. The dilated stomach sometimes retracted. B t soon the symptoms of the disease recurred, at first intermittently and became constant toward the end namely disentive distorbances, pass, vomiting and hemorrhage if the tumor had been left. In some cases the patients complained of diarrhors which is dependent upon the hypocidity of the matric ince which ca be effectively treated.

Finally in two cases there has been asset the invasion of the atoms by the neoplasm. Death occurred most often as result of progressive most often as result of progressive cachena in their case it resulted from the recurrence of stasis and stemosis tilmes as result functional complications. J Conserve.

Well Statistics of Resection of the Stormeth (Betrag zur Statistik der Magenreschtion) Bei-Bis. 17 January 12. 1, 200. By Zentralbi f d. ges. Chir i. Gemann.

Of the 800 stomach operations undertakee in the last \$4 \text{ years in the clinns at Brushau there ere \$7 restertions of the stomach of which 40 are discussed in this paper. Among these there were fourtune cases of alcoin calloware which were rescrete became of the impossibility of making positive diagnosis. Of these three died after the operation. In 80 per cent of the cases tumor or resistance could be felt bef re the operation and so a diagnosis was made. Pylorus tumors which are easily patpable give the best possibility i resection. T determine the possibility fa resection, laparotomy alone could deride. Bilroth II is the method of choice Opera tion was done in two steps in three cases. cases were cured and in the third there developed three weeks after the first operation an enlargement of the tumor t such an extent that it was not operable there re this proced re is not used as routine. The mortality of operation of the 135 cases operated for carcinoma is per cent. The opera tions were performed by twelve different operators. In 75 per cent of the cases at autopey there was pus in the bdomen. The final results showed continned cure of cases operated for ulcus callocum Of the cases operated for carcinoma only to 3 per cent showed lasting results. These figures can be improved only by operating more frequently than before in the earliest stages of carcinoma of the stomach.

Berg The Infl. ence of Gastro-entwortomy on Gastric and Duodenal Ulcers. J. Am. H. Ass. 913 lz, 83 By Sorg., Gyocc. & Obst.

Been lays particular tress on the I llowing por its Simple guatro enterest my can influence pylo ic diodenal ulcer only when ther is an iteration pyloric spaum. In the bacace of the latter all food passes through the patter pylorius, even though gustro-enterestomy is present, and so the ulcertated are is not protected from trauma.

The reflux of duodensi contents into the tomach is natural tiendant on gastro-enterostomy and serves to allevate the distressing symptom of hyperacidity but it does not f vor healing of the uters.

- 3. Gastro-enterostomy will not protect against recurrence of the utler. Barring the question of malignant degeneration I heated or bealing utler excision I an utler has no particula merit over gastro-enterostomy toward preventing recurrence or recondensace.
- 4 Dykorectomy does protect against recurrence but it has streads t higher morality. Garner outcomes to pyloric exclusion tavors being of the ulter and has the same value in preventing recurrence as has pylorectomy ith the dynatage over the latter of very low morality (5 t per cent against u 4, per cent)

Il has found the occiding ligiture as and east paped beind the ricensch just proximal to the antimute proximal to the antimute not state of the antimute proximal to the antimute in the state of the antimute proximal to the antimute area of the universal of the stement, it prevents the legiture from filling, and on along typing the but care in between the wilding and on along typing the but care in between the wilding and on along the contained to the state of the state

only way in which on the basks of preventing the pressure of food through the patent pylorans, we can prevent the recrudescence or relormation of gastriculter since with healing of ulter after gastricenterostomy the pylori spassin, which causes the stomach to tents to flow through the artificial opening closes and food once more passes through the pylorans over the ulter surface.

Berg has practiced this operation f pyloric exclusion many times size on for bleeding ulcers in the pyloric region, for duodenal fastula or accidental wound of the duodenum and for simple or callous ulcer in the pyloric portion of the at mach. He has

practically never seen any bad results.

Herts Th Cause and Treatment of Certain Unfavorabl After-effects of Gastro-enter octomy Proc. Rep. Soc. Med., 0 3, vt., 25. By Surg. Cynec., & Obst.

Herst draw attention t some of the unfavorable alter-effects of gastro-interostomy. A very small percentage of patients upon whom gastro-interostomy has been performed have at some inter period complained of symptoms which were interest in common with those of the condition to which the partners with those of the condition to which the partners with those of the condition to which the less safetions I pervent the patient from regarding the result (I the operation as entirely satisfactory.

The autho claims that the ymptoms in a con adderable proportion of cases are du t (1) Too rapid drainner f the stomach or () intustion of the stoms above the upper level of the gastric contents. I the former the patient complains f a semation of folloese which occurs during each meet and dis ppears rapidly. This sense i fullness a localized elightly lower than the former poultion of pain or disconfort for which the operation was performed. I some cases there is alight diarrhors, the bowels being opened after each meal and, except for the first stool passed in the day are unformed reven fund. I this group of rases, X-ray examination reveals small, hypertonic stomach with too rapid drainage of the food into the jejunum. The jejunum is consequently distended in an bnormal way a d brings about armation f fullness. The diarrhora is mainly due to the irritation of th boxels by food which has escaped too rapidly from the stomach for ficient gastric digestion and con sequently there is an absence of the normal stimula tion of pancreatic secretio by hydrochloric acid in the duodenum and the food does not undergo sufficient compensatory digestion in the intestines. C mplet relief or considerable improvement occurs if the patient lies down for an bour after each

meal as the st much empties itself less rapidly in this posture. In addition the patient should be

given some active pancreatic ferments at each meal

t compensat for the deficiency of the normal secre-

tion. Small doses of belladonna and cocaine given

half an hour before meals are also of value

In the second class of cases, where there was extreme dilatation of the stomach, the author noted that in the vertical position the whole if the gastric contents accumulated I the lowest part of the stomach in such way that their upper limit was below the pylorus. I such cases nothing could leave the stomach, bowever strong the peri table, until the patient lay dow. By supplying the patient with an belominal support and making him lie don for bon after meals on his left skie complet relief was eventually obtained.

C us GORDON HEYD

Glacomer and Kreuzfucha Pylorospasm (Uber de Pylorospanian) Vandra and Behande 9 t By Zentralbi f d ges. Chir a. i Grenageb lx. c3

thor contend that the motility f the stom h is influenced not only by the gastric secre tion themsel to but also by the secretory conditions of those part of the degesti nal beyond the stomach partic last by those f the doodenum Chemorefical B me as of the \-ray bestuded ploroup in onnection therestricular ker hylm grates dredenal after fallary ad-

panere tie ffection

They differentiat bet een immediat layed in lorospasen I rentricular alree the former OCCUP th pai mmediately after tilling the stoma h ad ha cternal of this coodition spans ma soon subside and therefore not deter mined by the length of time the ingesta rema in

the 1 mach On the outcury delayed spagm occurs affect tions of the deodenum bility pavages or practices. It too is ynchronou life the pan, but noe is t later stage in the digestive process The pain depends in both instances upon the pylorospasm its location being lentical and t is no way dependent upon the mechanical or chemical considerations of the organs volved as the thors

pount ont most concl. 4. ety Pylorospasm and physiological pylorus reflex depend alike upon the relation bet een the culit f the tomach and the alkaliaity of the duodenum The uthors have formulated the relation as follow

excess of affailinity = pylorospess. HCl equal t or less than Ikalinity wopen pylorus and automatic gastric motility. From the acidity slone one cannot draw any conclusions regarding pyloric ction.

In man, the cidity of the stomach and the

alkalinity of the pancreatic just are tall times ad under all circumstances equivalent value from physiological standpoint Occurren.

McClanza | testinal Obstruction Clinical Study of 181 Cases. J in H day, 9 3, lx, 111 By Sorg., Grace. & Obst.

The author analyses 8 cases of intestinal obstruction. He studies the clinical picture of early curable obstruction and endeavors t determine the

proper character and extent of operation when experens and t semis are present.

If divides the course of obstruction late three stages () the stage of onset () the stage of compensation; (3) the stage of complications (local or systemic) I most cases the ymptoms of the various stages merge int each other irrespective of definits periods of time

Symptoms f ourst. The most constant initial symptom is paroxysmal abdominal pain. This as present carly f all cases. Pain with constitution occurred in 3 per cent of the cases. There may be diarrhora and bloody stools, especially in laturansception and i testinal tumors. The usual sequence of symptoms is pain, vomiting, and constitution. Gastric layage does not relieve vomiting as in acut dilatation. There may be initial vomiting or simply biccough. From statistics of operated cases the

uther concludes that bdominal pain alone or pain Ith vomiting or constinution, or both bich re not relieved by larage and enemata are indications for immediate operation. If notes that purgatives

may do harm

Symptoms of the second stage. The most characteratic symptoms are visible peristalsis or visible stiffened intestinal colls. In ddition, vomiting fecal veniting distention (regional or general) usually with tympanites, leucocytosis, and lowered blood pressure re present. Purgation should not be given in the second stage unless the patient is prepared for operation, Immediat operation is d ned when an enema gives no result either as t board movement or as a relief of symptoms. In the second stage the symptoms ere not relieved in thirty-nine cases eighteen ere operated and recovered eleven out of t enty-one operated upon later died (gangrene as present)

Symptoms | the third stage | These are toxicous, gangrene, peritonitia, and altered kidney function | Operative treatment | This varies according to the nature of the obstruction and the condition of the individual case.

The uthor concludes that in the first stage the best operative procedure is relief of the obstruction. The same is true in the second at ge if gangrene is not present. If it is, resection is indicated, or enterestomy and re-retion, or simple enterestomy. Ith the loop nacked off outside the abdomen, according to the condition of the patient. 1 the third stage enterostomy is best, either alone or with other procedures. The first duty in this stage is to remove toric material by opening the bowel above the b-MAURICE J GELFI struction.

Whippir Stone and Bernheim I restinal Ob-struction. I. A Study of Tesic Substance Freduced 1 Glosed Duedenal Loops. J Let By Burg Cymre. & Obst. 1 9 L xvil, 186.

The authors have made study of the problems of high fatestinal obstruction by means of closed duodenal loops in dogs. By using closed, washed loops they were ble to exclude such factors as bile, gastric and pancreatic juices and food products, and bacterial action was minimized. The loops were so made that the circulation was not disturbed and the intestinal coats were not injured. It was found that all these dogs died in about 45 bours (none lived more than three days) with the symptoms of high intestinal obstruction - low temperature and blood pressure, diarrhors and vomiting, muscular tremors, splanchnic congestion and general collapse. The loops contained at the time of autopsy varying amounts of finkl pasty material. When the loop as drained at the time of operation, it was found that some of the dogs lived a month or more.

Others died in to 5 days with typical symptoms. The work was carried further in the study of the nature and origin of the toxic substance produced. The material from the loop after dil tion, autalysis. sterilization and filtration, produces typical toxic effect when administered to a normal dog intra renously intraperitorically or subcutaneously only difference noted is in the rapidity of the fatal muc absorption from the latter two sites being slower. The liver seems to have no det meating action as does with Eck fistule survive no longer

than those without h secretin was lound in the duodenal fluid and the pancreatic secretion was not influenced by the

injection of the material The authors conclude that there seems to be no escape from the conclusion that a t zic substance is formed in closed duodenal loop and that this material is absorbed from it and causes intoxication and doub. JANUS F CHURCHILL

Whipple, Stone and Bernheim Intestinal Obipple, Stooe and Bernbelm Intestinas Op-struction II A Study of the Toxic Sub-stance Produced by the Morcom of Closed Duodenal Loops. J. Et M. 9, xvs, xv, By Sung, Gyner & Otsa.

This paper comprises report of series (experiments showing that toxic substance is produced by the intestinal mucous in closed duodenal looms and can be demonstrated in ft, and that the poiso will not be formed when the mucosa has been destroyed by chemical means. No such poiso can be demonstrated in the normal mucosa.

Blood taken from dor with a closed disodered loop was found to be non-torne to normal dor. Further blood taken from a dog bours after it had received a fatal dose f intestinal fluid intravenously was found t be non-toxic to normal dog. This ould show that the toxin must be fixed by the timpes very rapidly A anaphylactic reaction was produced by second injection of blood from poisoned animal, showing that no foreign protein is present. The evidence that the toxic substance can be isolated from the sources was obtained as follows The mucosa from dog with a closed loop was washed, then scraped off, dil ted with salt solution and antolized with chloroform and tolool. A tolysus was allowed to continue for as long as five weeks, in one instance. The material was then

heated to 6 C., centrifuged and filtered. When given t normal dogs, intravenously, typical symptoms f interleation were prod ced. When large smounts were given death occurred. No interleation was produced when the same procedure was carried out a ith normal mucosa. Intestinal mucosa from a dog poisoned with duodenal loop fluid was also non-texic.

Attempts at removing the bacterial element in the closed loops by means of washing with bichloride of mercury and other inhibition sol tions, had no effect on the appearance of toxic symptoms. It was found that, if the mucosa of the loop was destroyed by sodium flouride, torde substance was not formed. This was proven by the observation that no toxic effect was produced in normal does when the loop fluid was el en intravenously. This the authors believe is the final proof that the toxic substance is elaborated by the duodenal mucosa.

It was observed that when toxic loop to tents were injected int the jelunum of a normal dog no effect was produced, proving that the toxic substance is of absorbed by the normal intestinal mucosa. JAMES F CHURCHULL

White, Andrews, Saundby Lane Harley and Colyer Symposi in Allinentary Toxarinla But M J 9 3, 1, 237 By Sarg., Gyner & Obst.

White, in introd ung the subject said that the term Allmentary Tourmia at once showed our is corance Cases should be grouped according to the variety of the poison, and not according to the noint of entranc I the poison. Uni riunately

the present stat of our knowledge this was impossible. The amplest alimentary toxemia was that due t pyorthora-alveolaria. This was capable of producing various III effects, either by impeding mastication by the wallowing of micro-orandams. or by causing septicamia by absorption of organisms from the gums, of which he had seen several fatal cases. The question of the production of bacterial poisons in the alimentary tract was very wide one. External temperature was said to play part and some observers had stated that the intestinal contents of arctl animals were almost sterile.

Intestinal bacteria usually remained in their customary babitat but various influences might induce vertations from this normal. He mentioned the case of a woman in whom lavage always showed the greatric contents to be swarming with bacillus coll.

Herter had to ght us that there were probably three groups of cases of alimentary toxemia caused by micro-organisms

(a) The indolic, in which the probable fault was that the colon bacillus invaded the lower part of the small intestine, and the patient was unable to digest carbohydrates, and usually passed abundance of indican

(b) The succharo-butyric, in which the organism mostly concerned was the B acrogenes capsulatus the abnormal changes here occurred in the large intertine.

() A group combined of and b.

It is necessary thes in mind when this times of limentary trams, but the culture means as important as the bacter's a good example of which fact was the improvement which follows the improvement which follows the tenth of the properties of the pr

associated ith sensors internal dust rhance yet it as generally allowed that the pelso producing almentary t. zmia as neithe nodol indican nor thereal ulphater. Milanber nd T orth dislated creatin-destroying orn ums from the afmentary canal and found un animals another bacillus producil g B midd melethylamine por erial poison, from histoliae This poison probably

destroyed in the liver and was reggested as cause of cyclic omitting

Whit suggested that enterogenous consumers form of himentary t arms from which much might be learned, between the hemical hodies is rolved it is chology—namely bydrogen sulphines and the unites—were simple on fready increased.

tigated Verertheless comparat el bitle was

known bout that disease.

Lately it had been street of much missence that intestinal 1 orans, as due t unter and mass and the speaker thought that his way very probabil and the speaker thought that his way very probability of the property of the property

These he held that stars has nechnical its original field of the first at its tree and evidence detected from V-rays must be rever it to such as two. The speaker modered frieff the methods of treatment and urged that the result of surficial proced rea obertaken for the relief of intertual stans should be carefully considered and should be made the subject of the fullest possible reports.

Appears dealt with the hactershop of the alimentary canal, and stated that the bibitual tenanta of the got were facultative narrobes, and that even strict nazoules could grow these irrestcertain groups of bettern had specifically adapted themselvest [iii] in the intestine sad bad practically handoned other modes of existence, as for example

leardened other modes of enutence, as for example the B coll group, most of the kerptococcis and cer tain anarobes I the health's bacteria were present according to Gordon t the number of to omificious per cubic centimeter of which at least must this res sterptococci. It has a much not dissolvention has terial were earlier to the set much not dissolvention has terial were earlier to the set of the set of

organisms per gram of normal faces ranged bet een 100 nd 1,000 million.

The speaker documed the named species of floor of the alternative canal and dealt especially with the distinctions in the varieties of streptocord met. Ith, IT would see no good evidence that it was obsenced t out the contraction of the out of the contraction of the contraction of the same and the contraction of the contraction of the same and the contraction of the contraction of the third own good, and if we expend harm it is askely

by the evolution of various protective mechanisms. Retremtion of the contents faw portion the put produced a shnownal bacterial four of the part produced a shnownal bacterial four of the speaker discussed the changes produced by independent of the prima and considered the bacteriology of the gal-blaider! In the colon, precision of the contains favored the multiplication of the normal bacteria and as the same time gave opport. Ity for the scoppion of y t six products which might be produced.

Andreas defined alimentary tournis as being the booytool from the alimentary canal of chemical persons, of know or a known composition, in sufficient amount it cause clinical a myntoom, the blood having served as a channel of destribution to blood having served as a channel of destribution to request slight invasions of the blood stream by organisms proving in the pat, and pointed out that the chantiles residued these cases. If discussed the possible forestion of the thyroid gland in neutral hardy that the chantiles and destributed the possible from the superior of texts and mentioned the probably freight that first and mentioned the probably freight that the parallel of the serveniar hardy in the latestice might have segail as all as position of the probably deviating the furnation of substances.

necessary (or normal tissue metabolism. Savxpay considered the symptoms and treatment of limentary townia from the medical standpoint. He sook of veretable ad animal food poisons. mentioning phalline rauscarise and flower among the former and discussing the production and effects f the promaines and leucomaines among the latter Certain foods became possonous from the breace of some principals normally present and the speaker mentioned beri-beri, pellagra and scurry in this connection. Saundby discussed I some length the emptomatology of food poisoning, and stated that the connection f such diseases as pernicious anamia and chlorosis with boornest conditions in the intestine as by no means proved. If did not consider that mere facul retention caused nathological symptoms but held that constipution as not promptes cause of chronic intestinal catarra and that it w t these inflammatory consequences that the symptoms seccisted with constipation must be ttributed. If mentioned the various protective exechanisms at work in the body and proceeded to discuss the principles of the treatment of limentary toxemia, such he mid should be directed to prevent the further formation of poisons and t the destruction and elimination of those already present. This might be ecomplished by cutting if the supply if material by reinforcing the digestive junces, by material action, by drogs and by hydrotherapeutics.

If concluded that under normal conditions matural protective agreeies ere sufficient a shield the book from the dathers of polsons produced in, or untroduced in it be gut in moderate quantities. That inferquent or incomplete evacuation of the colon did not in luseff cause disease but that such symptoms as arose creatived from breakdors in the protect we machiner. The dies should be mixed one of both sufficial and veget the composition. Finally when a termit is present the belt that treatment should me t lluminating the polson present preventing further introduction, and renforcing the natural protective agencies. Removal or carrisate of the colon justifiable in the present preventing further introduction, and renforcing the natural protective agencies.

ence of x naive disease in [in salis Lart diseased the argical superior of the condition. If held that alimentary t arms are led from chrone intestinal stasks, and the consequent infectio of the gastro-intestinal tract of t morpor feeding in city hi and unbecquent it the protonged assumption if the creet posture of the trans. The changes that resulted in the damaste scheme ere evolutionary in nature and alimply mechanical i origin. Bands representing the changes that resulted in the damaste changes that resulted in the damaste changes that resulted in the damaste control to the changes are considered in the changes are considered in the change of the changes are changes are considered in the change of the changes are changes as a change of the changes are changes are changes as a change of the changes are changes are changes as a change of the changes are changes are changes are changes are changes are changes as a change of the changes are changes

through say portion of the intertine could be controlled by mechanical means prode enternally as, loc lustance by band, a membrane of an appendix, while the contents if the intertinic might sigo be dammed back by the accumulation I material best out. This as illustrated by the obstruction is the long petrue colors seen so often in tuberculosis and bemanical arthuil in proma peorly.

but later they tended t impair the function of the

part and consequently t shorten ill The efficient

The caults of stasis showed themselves in the datinct way. The mechanical results of delay in the small intentions were interference with the emptying of the disodenum, with consequent inflammatical users allocation, and, later centrication in its first part. Consequent on this came sparm of the plorus, this distantion of the stomach. The strain

I the heavy towach, often increased by a loaded transverse colon induced information and ulcration of the leaser curvature of the stomach at the sit of greatest strain. An ascending infection of the intestible took place leading to disease I the organs, such as the pancies and gall-bladder which opened into the gut.

Besides the mechanical changes, the chief trouble consequent on siams was the Montrofaction produced by the absorption from the gut and expectally the small gut of more toric material than could be eliminated. This tolinatestics produced degeneration in every tusue in the body. The effect of the poisoning shown in the beart, venets

kidneys, and muscles, and induced a great loss of fat. The ski became thin and pigmented. The breasts sho et degenerative chapters and the thyroid and ther ductless giants might be affected. The general temperatur was a bommai and that of the extremities markedl so. Microbic cy noisi might be present. The rerebro-adical system was markedly affected. The potient was depressed autiful unit for work, an offered from headsche and fiten neuraligia and neuritis. The mental condition of these cases often bordered on insantly

Changes in the organ of special sense—ere commonha important effect of tasis was a location of the general resistance. If the body which was perhapmost commonly seen in the frequent occurrence of infection of the gunsa. Lane did not behere that t bereale or rheumatoid thirlits could evist except in the presence of ution it reaction, and addocted

evidence in support of this statement

If wished to deal with primary causes rather than end results it was necessary in II raise of a tout xication resulting from isau to improve the drawag four bodies. Whether this could be effect of audiocently by the use of 1 bries to allowing anymour in diet or whether operative treatment as required depended on the seture of the case. Varya afforded great audistance indicating not only the rait of passage of the content into the passage of the content in the passage of the case is the passage of the content in the passage of the passage of

In most cases, obstruction of the final fifteen is as fault, and thus could be dealt with by the removal of controlling populat, by the division of an obstructing band or in other cases by fining the divided heim! I the pelvic colon. This last method if treatment was by far the most efficient and produced marked and immediat improvement. Occasionally it was becessary it remove the large bow I as well. Lase stated that should intestinal stalls was subject providing very rapidly in importance and that it could not be decided merely by operating on previous experience but had to dealt with by the light if hard facts as afforded by the results of operative interference.

HARLEY considered the toxins f the alimentary canal and mentioned the difficulties connected with the subject. He discussed the prod cts occur ring in the gut which might be poisonous, and men tioned the substances from which they were derived The thinness if the epithelial cells in children and old people perhaps explained the greater frequency of tool tracks in them. Delay in the intestines led t marked increase of aromatic substances in the bowel, which wer eliminated as aromatic sulphates and in atomy or dilatation of the carcum ther was marked increase of indican in the urine. The permstence of an increased quantity f indican and aromati sulphate in the urine was significant and these patient had a muddy complexion with lassitude and headache.

COLVER deals with the dental spect of the question and sit of that the timas set form spits were carses, and graval day se leading it pendodatid dease. If dent claim that oral septis as a Important intestinal spits, but it as a proble source of I be the determinant or the most of the second of the second remonth bestibers. If keeps no most leading a persolonical disease or in go, for recognitions

Krüster M bilization of the Green by R 1816.1 Method of Comment or kofran a The Functional Disconnection of the Appendix (Open e 18 deliberage for Coston by Appendix (Open e 18 deliberage for Coston by Appendix (Open e 18 deliberage for Coston by Appendix (Open e 18 deliberage for the Open e 18 deliberage

I C Settle issue

ther rgot gunt kelman d u t oper t pun the ppendi b sut gifte et m and the pro-small end of the press) has the firm of the probable the he likewish becaused in (unclusted) ma bus loung he ppendit, infect d g through the blood tre m I fact such see I mpyema (the hasonacted ppendia much some fithere ere commanied by arc perfo t I there we t weemed from terral whethe the ppends as related from the gruin by previou it have bether implet I noses had separated the pheral portion of the prendi-Loder all is mist men it seems peccesary it re more the ppends in it entirety

One out the dislocally in person temps berr the appealus law less that execute a slaping the blom nat in soon to the position f the person. I berreford it is 'sway lasports 1' try i determine i position before the operation. The interprise is notion of Robel nd 1.3 places than one if gen breach to be the ligamentum that the little deam. The instance from the support little deam.

space area

2.1 ases here the ppendr is located behind
the in the um is first mobilized according to knocker suction for the disselection. In this case,
t is three timeters long made in the periodical field terms the belomination. In other evidence for the control of the cont

31 lier The Insufficiency of Corcal A to t.
Assure Permanent Opening for the Large
I testine I. Cases of Occiseding Carcineens
of the Recture and Sigmoid (by insufficience de
l'assu cercal pour assurer en permanence interest done
pressucción dans les cancernocquients du recture et de

gree sticeth date we have 0 L. I spd.

18 (Bayer) Lives her 0 L. I spd.

The observation of Muller can be summed up in
few hors. In man yo ears ki with exocer of the

rect m nd algmoid in case of accidental occlusion, the emergency proced re was necontomy. The

patient recovered from the operation test soon the reinfield amos contracted (narchinated badly of ga and feed matter distrebed ance the intendianal. The creat) orifice was these natured, thick was transformed into new mass large chough to admit to fingers. I spit of this new interesting in spate of frequent lavages f the distall end the congruence of the large intesting perfured, the distention of the colo became coormous, and the distention of the colo became coormous, and the only, means if "sunfig its repair eventuation."

an illa obstomy performed i w months later. They it confirm one more the claded notion that the illac saw constitutes the only real efficacions treatment of footperally rectal cancers. The execution sulful is its indications as conceptory proced re in cases of acut obstruction but it cannot be good to be repulse execution of the big gets.

T max is the frequency arranged in the set of gataerture of Jahouday (lat ref orision, pulling up and certaing the nunceas. Is the latered to the skin. It a d taster from the inclusion) he thinks this is better than the method of Kerriss or it that of making the terminal same by complet section of the intertible and choure of the direct level. C. Le rose or

Cohn The Appendi in the Y-ray Picture (Der Wursel stunts to Khangesbille) Drakele med Webssele o a zinla, tor

By Lourald Ld ges Chi a i Greaget. Terh lone of samination Pompos on back with slight rotatio t the right. Patient takes bi-moth meal in the morning. Examination begins after fon hours reneated transill minution as well as neta t neous radiograms. According t Trigosoff the bamuth filling of the preside succeeds in all cases in which the lamen is free ad it connection th the current and interrupted. The pourson of the ppendix changes with the horizontal or vertical posture of the individuals. The ppendix follows the movements of the circum and makes its on movements around the cucum, regarded as a axed point. The fills g of the prendix does not occur unwhancously ath that of the excuss. After 7-6 bours, and t times only the day after talling the meal, is the shadow of the ppendix recognized hile the masses of bismuth can be demonstrated in the carrier fren after four hours. The filling occurs through retrograde movements of the execum. Just as regular the filling is the emptying of the putents of the ppendix. W find the ppendix empty bile the carcum is still filled on the other hand we find it (III filled ben the bismuth mest has practically left the intestine. Trigoness saw repeated filling and emptying during digestive act. Changes in the position of the organ, its raried configuration, re recognized. \ constantly abnormal form may be produced by adhesions. Constrictions shalls t the haustral segmentations of the carcum

are physiological and are not t be interpreted as

FRANCE VIEW

stenoves or obliteration

Jackson Membranous Pericolitie and Alifad Conditions of the Heocascal Region. Ass Conditions or the Stry Phila, 9 3, Ivil, 274-By Serg, Gysec. & Obst.

In this article Jackson described in detail membranous pericolitis. The membrane in this condition is usually a transparent, vascularized vell-like structure with bright red vessels running parallel with the long axis of the ascending colon. In some instances it appears as though the membrane came

to the colon from the lateral parietal wall just hore the cream and courses upward, to disappear beneath the liver on the superior layer of the transverse mesocolon. In other instances it seems at tached to the under surface of the liver it annears as though it had begun above and descended on the colon to its termination usually just above the creum. Cases have been recorded where it passed

cross and apward t the transverse colon

The membrane does not resemble the rdinary conception of adhesion. It is never adherent to the abdominal wall not to any contiguous loops f small intestine. Instead it resembles, more closely than anything, thin pterygium I recent cases the membrane is quite free and produces but hinted restriction to the underlying colon. In more advanced and characteristic cases it seems t bind the colo close to the posterior abdominal wall, and produces such marked angulations and convolutions of the colon as to practically prod re stricture of its lumen.

Lielogy There are many theories

Congected - Many regard it as I congenital ngia, but differ as t exact anatomical derivation.

Mechanical — Some regard it as physiclogical response to mechanical demand.

1. Inflammatory - Two general theories cost under this heading on seruming spreading pertenitus from poi to of original infection without, and the other reaction from infectio within the co tig

wors sut. The other hunself inchnes t the bellef that

varied causes may be responsible.

5) m plemoislery The following symptoms com bined are usually sufficient t establish definite dialest syndroms

Pain - This pain practically always bas t some period a definit abrupt onset and is marked by periods of acute exacerbations. It is diffuse over the night side of the abdomen though oftimes accentuated over occum and benatic flexure

Tenderness - Diffuse tenderness without say ttendant right rectus rigidity

3 Constipution - Marked particularly in well developed cases.

4 Gastric distarbances - Oftimes resembles chronic pastritis or pastrac ulcer

c Loss f weight and tone - In long standing cases, patient shows general picture of intestinat uto intomention.

6. Neurasthenia - Develops lat and may be overshado ed by melancholia.

Differential Diagnosis can nearly always be made from careful study of symptoms. Additional evidence may be gleaned from use of leasy following ingestion of bismuth. Condition must be differentiated from (1) chronic appendicitis. (a) gall bladder disease, (3) gastric ulcer (4) discase of ovaries, (1) chrook colitic, (6) Lane kink, (7) Lidney stone.

Treelment 1 Non surgical - This would in volve () the proper drainage and the removal thereby of causative f ctors () the establishment f a correct dietary to fact is of fermentation. puterfaction, and irritation (3) methods for development of normal evecuent capacity of a gut whose muscular tone is impaired or interfered with - as by manage and exercise, (4) direct medication of the colon mainly through colonic lavage aided by vaped possible specific medicinal agents (5) external supports to correct malpositions and obvi-

ate stasis of gravity Surgical Treatment - (1) Heocolostomy has been used as means of abort-circulting intestines Colon may or may not be resected. () Carcostomy and appendecostomy have been used in some cases on the basis that membrane was result of chronic colitis. (3) Carcopery has been advocated in cases f mobile carcum." (4) Plication f carcum is used where carrum a dilated and thinped. (5) Where apprelation of flexures is ma ked, operation similar to Francy pyloroplasty has been drocated. (6) Membrana itself may be almoly divided

r removed completely

In conclusion the author greats that indicious sunday selection from all the methods will give the best results as no one method should be followed as a routing. He further emphasized the following unof any surgical procedure by vigorous after-treat ment along general bass before indicated.

R II Mal 12

Fago Contribution t the Study f the Congenital Megacolon (Contribute all studio sol megacolon congenito) Gent é sop de clus Milano,

9 J. EERW 200 By Zentralbi f d. pas. Chir u. i Granagab.

The author shows that the above named clinical picture has improperly been called Hirschaprung's disease and m 846 was described by F ulli as such. The autho describes the different types i mera colon Simple megaculon in which the length of the small intestine t that of the large, which is normally seven or eight to one is increased in a ver of the latter Megacolon in which there thickening of the entir colon in diameter as well as in the thickening of the wall. 3. Enlarge ment of part of the colon ith or without compensatory hypertrophy and dilatation f the central section of the colon. The pathologic changes of the individual layers of the intestinal wall of these sections of the intestme are accurately described. They are explained upon embryonic, nervous, or circulatory causes. The symptomatology of the new-born, the child, ad the d lt is given. Death follows through autoi toxication, intestinal colicperitonitie following perforation, intentinal occlusion or through cachezia. I more than 57 7 per cent f th cases the disease ends fatally 75.6 per cent of the patients are men. The etiology of the disease is unknown, it is usually congenital. Internal treatment of the condition is usedess. The utbor discusses the different methods of operations and advises gainst colostomy (artificial arms high up) Better results are obtained by filesigmosdostomy or the partial or total colonectomy. The kleal operation is that suggested by Parlavecchio which again gives normal anat mical relationships.

Challer and Perrin Immediat and Remote Results in Combined Operation for Cancer of the Rectum (Résultats immédiate et éloimés de l'opération combunée dans le cancer du rectors) oko , நா, நо By Journal de Chirurgia.

The work of Challer and Perrin, a statistical study is I much value the utbors have collected all the published observations of combined perations, imputations or resections, ad they have idded certain number of impublished cases belong ing t Albertin, Dekre, Hartman, Lagoutte, Locene As result they present total of So cases, the summary of which orbit tes the first part of the ork. The following are the principal

Immediat results Operative mortality The total mortality is 83 in 87 operations of which the result as known that is 446 per cent. If the isolated cases are eliminated and only the statution of surgeons he have practised an appreciable umber of combined operations are used it is seen that the mortality in these statistics varies between 6.6 her cent (Jonnasco) and an verage of 4.8

facts from these important tatistics

ner cent As is generally recognized although the difference is less striking than some statistics based on less umerous cases would lead no t believe Chaher and Perrin find the operative prognosis better in woman (3 per cent) than ma (fifty-two per ent) The gravity of the operation increases progressively with age It is practically the same amputation (4.8 per cent for 26 cases) as in

resection (43 5 per cent for 6 cases) Infection (peritonitis pelvic cellulitis, septicamis, etc.) is the chief cause of post-operative mortality all the more as it is necessary t attribute t it the greater part of the deaths ttributed to shock or collapse the other causes of death are anuris, pulmonary complications, i testinal betraction (cases) permorripage.

Among the complications hich are not fatal but delay cure re found retention of urise, more or less prolonged, wound of the ureter (Milward) or of the blackler (Rotter) fortal fatula follo mg gangrene of the pper end of the intestine the development of a stemosis t the site of umon of the two ends of the borel (s cases)

Lat results The number of observations med in this connection are only eighty five. Of this number are noted fifteen recurrences and dx dextha by metastases of which some have been relatively lat (after 3 5, 6 years) which again about the insignificance of the arbitrary period of three years, umber of authors regard operative cases as cured. Forty-one survived without recur rence from two months to three years fourteen survived without recurrence from three to twelve years the nine other cases died as result of inter current discuses or without the cause of death being know (three f them had been ithout recurrence 3 4 9 years) The proportion of recurrence is greater in woman probably by reason of the lower primary mortality. The uthors regard these results as clearly superior to those of ther methods of excision of the rectum.

3 Functional results This analysis is of interest only in connection with resection, for in amputation t is question only of Hac or periocal anua. I resection continence has always been perfect (except in one case of Rotter) the mbincter retaining t normal function. On the other hand, there are certain umber of cases with fistular, some of which have personated accordary suture or an antoplastic operation, and, in three cures, the union has falled not there has been necrosis of the upper end and the est blishment of sacral axus.

Cr. LELOSKUAT.

Three Go o L mirk Donver Focal Fistula By Serg, Gymc, & Ohst. The various types of fecal fistula are described. the treatment of each type is discussed, and a serie

of 60 cases reported. Fecal fatules re of two kinds, external and internal I ternal fistules occur bet een the intestine ad any other bollow viscus such as the bludder Fallopia tube, gall-bladder ureter Curious as re these conditions, they are usually the result of neglected pathology and dilatory treatment.

This paper is concerned thirdly how yet with the external variet of fatula.

Anatomically there to two kinds f external fistule first, those which communicat with the outside world through tortuous tract involved in adhesions ad second those in which the bowel is immediately dherent t the abdominal wall. The first variety is more pt to beal spontaneously than the second.

In the first variety the pening is usually very small and the discharge is usually very shight and often intermittent. In the second variety the discharge may be very profuse, or the entire fecal contents may discharge through the opening. This latter conditio occurs, however only when there is

ell marked spur which prevents the contents passing on jet the distal portion of the bowel, and this condition is most frequently found in cases rifficial us has been produced at operahere

tron,

Out of the 100 cases reported 23 wer cases of ampendiceal bacesa. This shows very strikingly the importance of ppendicule in the etiology of fecal fistula and also emphasizes the necessity of the early operative treatment of appendicitis versee d ratio of the cases of appendicitis before operation was three days, far too long time with our present means of diagnosis.

The early symptoms of fecal fistula are the in egural symptoms of intestinal batraction. These are parovysmal pain nausea, distention, inability to pass flatus freely if t all. The pube at m creases and the temperature rises somet mea t of or 105, usually bout to 3 tion naturally arises is the patient developing a fecal fistula or accordary baces. As soon as the fistula is established the mptoms balde event the fever which usually lasts few days longer. The skin bout the si us is very pt I becom i flamed, due to the irritatio from the discharges.

The treatment of fecal fixtule is best by leaving them alone for considerable length of time and merely protecting them th stenk gauge The uthor quotes cases buch lasted for long time under rigorous treatment sich as bransing, curetting etc. but which bealed with remark ble ranidity when left lone General treatment in the way I good hygienic surroundings, good food

etc are of great importance.

Operative treatment sometimes becomes nec essary but should usually not be adopted until many months have clapsed without closure. The opera tive treatment consists in dissecting dow t th origin f the mans, closure its exit from the gut covering the closure with peritoneum. Many times it is necessary to deflect the fecal turnest y from the vicinity of the moss by means f lateral nastomosts or even by resection. The harnce of an obstruction distal t the location of the al us must be determined before the operation is completed J RES II SLILES

LIVER, PANCREAS, AND SPLEEN

Smith Marphological Changes ! Thattee with Chang in Environment; Changes in Guil bladder Following Autoplastic Transplants tion into Gastro-intestinal Tract, J Hal. Remarch 9 5, xxvx, 300 By Surg Gynec & Obst.

With the development if various methods if timue and organ transplantatio the behavior of the transplanted cells oder new conditions f environ ment has become increasingly an object of study In this way the variablety and the function of various transplanted tissues has been determined and consequently the conditions favoring, on the one hand, continued growth and on the other the ultimate destruction of such trisnes, have become better understood. Smith in this article records the results f a series of experiments and f his study of the subject. He first reviews the literature of the work already done then considers the previous ob-

servations of changes in the histology of the mill bladder in communication with the intestinal tract and lastly records the results of his own experiments. The animals which Smith used in this work were the dor, cat and opposium. The experiments simed at studying early and late stages especially in completely transplanted gall-bladder tierue when the transfer of thesis had been made not alone I to the small intestine but also into the large intestine and the tomach. The technique employed was that commonly used in the performance of anastomosis bet een the rall bladder and the intestine by the suture method. In the second operation the abdomen was again opened, the cystic duct ligated and daysded, and the gall-bladder severed from its tuchment to the liver The tissues of the fundus

f the sall-bladder now firmly united to the intestine at the point of anast mosts, obtained an enti cly satisfactory blood supply from the intestinal wall. The ralf-bladder was cut down t a piece correspondme t about one third to one half of its original size The onen end of the gall-bladder was then inverted and closed by double layer of alk sutures, so that, when the operation was completed, gall-bladder diverticulum was formed which communicated directly with the intestinal tract

thor believes that changes in the gallbladder after autoplastic transplantation int. the gastro-intestinal tract abould be regarded as theme adaptation t new conditions of environment, of much the same order as the changes noted by Carrel and Guthre which occurred in the wall of a vein when transplanted between the di ided ends of n artery

H mally concludes that toplastic transplantation of the turners of the gall-bladder int the gastro-intestinal tract is followed by definit histological changes as a result of adaptation of the transplanted thought new environment that call bladder tissue transplanted into the gastro-intestinal tract undergoes hypertrophy of the mucosa with development of new lymphord there When transplanted into the stomach, the hypertrophy of gall bladder mucosa may become especially marked, and be associated with active proliferatio and degeneration of the transplanted cells with mucous productio

That the increase in lymphoid tissue developed in the gall-bladder transplanted to the surface of the intestinal tract, whereas considerable decrease of lymphoid tasue occurs in gall-bladder transplanted into the sterile peritoneal cavity, affords evidence that the development of lymphoid tissue is in response to bacterial environment and possibly to other chemical or mechanical causes injurious to the times

That there is no experimental evidence that a metaplasia occurs in gall-bladder tissue in fistulous communication with the intestinal tract, such as has been described as taking place in the human gall-bladder under similar conditions.

Groupe E. Beiley

Van Hengel Clinical d Experimental Studies of Cholseystectomy (Kluusche en procioner lodes)k studie over chelepystectomic) Di serie tion, Utrecki, 9 By Zentzüli f. d ges Chr u. L Grenzeh

Regarding the eventual formation of new gall bladder the results described by differe t experimenters re decidedi contradkt ty sequently the other personally experimented upo rabbit ad fifteen dogs with the following part of the cynt doct was results \\ benever left I ut after bolecystectomy new gall bladder formed the size of hich as dependent pon the length of the duct saved a new call-bladder formed in my case in which the cristic duct as extigrated finch up to the ductus benaticus, the latter cases the larger bile luct ere markedly idened in contradial action to the for mer. There he er as found the least widening of the papilla of 1 ter or yill effect pon the general bralth folks g holes ratectomy I none cases reported the literature the uthor found nesual dulat twon of the large fule ducts ith no impedime t in the ductus choledochus. I these cases the gall bladder functio had eased for some time previous to the operation on account of tones cotraction, obliteration of the fames, and all the

tiven of det oil medicatio aron the flow of bile the schor studied in rutlents he ung biliary fistula: II beeved the following Wildt of egg diet has the greatest influence at maximal eff Loccurring bours after the meal hence earlier the most thora belies. I second mamount is rea hed on an versige aix hours after the meal Crbohydrates ha decaledly smaller nd less regular influence oils (OI olibarum) hardly The curres of) nel very regula nilwers billiary flow these wes re very smile t show noted by Bruno cases having the gall bladder ad the papella of \ ter at ct. The author deduces from the periment just quot d that the curves indicate the amount of bile is reted in the liver and not as farmed by Bru the amount of bile acreted not the gut. That the latter f action is dependent pon the ction of the phincier of Oddi ppoutso of Bruns (holagogues had is also very little asperin till smaller od the remedy of D freeze not any influent upon the secretion of bile. (Ivogal produced gra t mereuse of the secretion, beginning to a hours, and reaching its maximum ave bours after its administration. Fel humanum had till more marked effect beginming as rule one hour feer adminutration and attains g to maximum three hours later. After 6 t 8 hours excepting several remissions, no influence was discoverable. These latter expenment prove that the bile was not only reabsorbed by the intertines and again excreted by the laver, but also that it at mulated the accretory action of the hepatic ells he an delitional proof it was found that the total arount of hile secreted inder the conditions just mentioned as equal or nearly

equal t the sum of the bile normally scareted plus the qu ntity excreted the faces and the urine also ed that little was re-absorbed by the fattestines. The utbor had observed decided psychical influence upon the servicion. To study the relation

influence intoor tail observed to decided psychololatine energy the accretions. To study the relation to think the property of the control of the control to the first the control of the control of the control lat the Internal cross of the control of the control publicate of Odd in this process, the author aper inserted upon two dogs. He performed a cholocyri outnown in both and I didding excited the papilla of Vater and the sphilecter in one. He learned from these cases that the sphilecter of Odd in of no great importance. I least the got doring fasting. The unbot thinks it is enty evident that the secretic process of the control of the control of the process of the to the published of the control of the process of the sooral control theory control of the process of the sooral control theory control of the process of the theory of the control of the control of the process of the sooral control theory control of the process of the decontrol of the control of the control of the control of the decontrol of the control of the control of the control of the decontrol of the control of the control of the control of the decontrol of the control of the control of the control of the decontrol of the control of the control of the control of the decontrol of the control of the control of the control of the decontrol of the control of the control of the control of the decontrol of the control of the control of the control of the decontrol of the control of the control of the control of the decontrol of the control of the control of the control of the decontrol of the control of the control of the control of the decontrol of the control of the control of the control of the decontrol of the control of the control of the control of the decontrol of the control of the control of the control of the decontrol of the control of the control of the control of the decontrol of the control of the control of the control of the decontrol of the control of the control of the control of the decontrol of the control of the control of the

wer oever dibited and was there my discharge in the bepasts duet foer cholesystection. The ne by formed gall-blinders showed a normal gall blinder construction materies at microwed and gall blinder construction materies at microwed percally. They all had good cytic dreft. The fundant is every case contained the lightern well to the the cytic samp during operation. The canal of Lunchia every case. Harvas

Outerbridg Carcinema of the Ampella of 3 for Ana. Surg. Phila. 9 3 bris. an Br Surg. Grace. 4 Obst.

I connection the terrort of a case of a small carrinoma occurring at the atmpellit of later is a carrinoma occurring at the atmpellit of later is a carrinoma occurring at the atmpellit of later is a core and extra thing common distinction of the common and bepatic durts, the subor has made in major at this region. It lest as a different groups of either bers described por to do capta for one or the other of these I most, but owing to the chose proximately of all the structures concreted it is usually very difficult i determine the exact point of origin of any given times. Them the practical standpoint, but great the contract of th

The most counton symptom of tume of the A techn region is justicle but this may in rare must norse be entirely baced, by the central potton of the growth, with consequent failure t cause obstruction to the belaty flow. The funders of must by constant or as well-belaty flow. The funders of must be constant or a special control of the case, it is sometimes constant, but often colledy in nature probably due to passender constant, but often colledy in nature probably due to passender constant, but often colledy in nature probably due to passender constant, but often colledy in nature probably due to passender constant, but often colledy in nature coulding. For the passender constant, but often colled promiting the passender commentation of the gall bander. Vomiting, fever, intestinal hermoritage conditions. There is no pulse photogeneous events of times of the ampella of \(\frac{1}{2}\) ter of the differential disprosis from one in the common due; therefore

from scar formation, chronic interstitial pancreatitis, and carcinoma of the head of the pancreas may be

at times exceedingly difficult. Tumors of this region re of comparatively short duration, usually causing death within seven months, much shorter time (ter the first appearance of symptom this result is probably due t cholemia, as it generally occurs before metastasis or extension of the t mor t adjacent atructures has occurred. About t caty-two attempts at the radi cal extimation of these tumors have been made usually by means of an incision to the anterior duodenal wall in few instances by resection of a segment of the duodenum. There were plac opera tiv deaths of the thirteen patient who recovered. only five are known t be I ve seven months or more after operation the longest period recorded being three and three-marter cars

Mell cus. The Possibility of Replacing the Choledoch by Implication of the Procreson Vermilseria. Our dis mobilation on Choledochurensters derch copulariens des Processa Vermiorias). Desiries Zinke, Cher. g. L. Cin., 447. By Zentriki, Ld. ges Chr. Greugel.

On the basis of case the butors 1 which be describes in detail, ad by communic tion of Leaer on the accessful replacement of the arethra by means of the appendix, the utbo was led t study the question of substit time the processus vermilorins for boledochus high as largely destroyed. Plastic procedures from the gastrointestinal all luthert used in such cases one ery complicated and an unsufficiency of the sutures always threatened bimpler ere those operations in which rubber tube was inserted between the central and peripheral ends of the choledochus. This was either left unattended in the hope that it would be extruded int the intestine or two led to the exterior by means of an blique Witzel canal so that it masmal removal was facilit ted Instead of the rubber tube the utbor ttempted to implant the processes vermiforms between the stamps of the choledochus, thus having a tirque built similarly t that of the bile passages. The uthor made his experiments on dead bodies, because the anatomic elations in nimals are not smitable in this respect. Since the urethra was successfully replaced by the appendix the latter could be implanted with equal species to synlare the choledochus because the peritoneum has marked and rapid tendency t dbesions, which insure the healing of the transplant. Furthermore, one can be parts of the omentum over the implanted appendix t mak the success more certain. The utho now describes his precedure on the cadaver

The abdomen is opened by paratretal incision from the arch of the ribe to the ambilious. Appear dectomy follows. After resection of the choledochus to the extent of 4-6 cm. sound was i troduced into the peripheral stump of the choledochus i the doodcomm and the anterior wall of the latter cut

down arron over the bead of the sound. A \ laton catheter was pulled through in retrograde fashion so that fis upper end at niled to the hepaticus. A lateral opening is made i the catheter which comes to lie one finger a breadth below the panilla in the duoden m in ord r t llow the bile to flow the duodenum II cupon the appendix evrlored out with salt solution was pulled over the catheter and nited by button sutures with the perinheral end f the choledochus. Then the central end of the choledochus as sutured t the appendix. T reinforce the suture portions of omentum are laid over the operative site. The catheter was Imbedded in a Witzel a oblique canal and led to the exterior by special opening in the bdominal wall. I case of operation in the living naturally drain

ge of the operative field must be instituted. The a ther as het observable in the cadacer that field for eith drained eith in the doodenom ben the injections ere made into the gall-bladder or the great instable, particularly either the star is was all ya closed. Operation on the cadacer lasted one hour if the perspheral w I med of the biolederbus ca not be found or is buried in tomor master, the uthor recommends oldinger stars of the preparitie to the douderman, analogous 1 the implantation of the united that the distribution of the preparities of the douderman, analogous 1 the implantation of the united field that the control of the preparities of the douderman, analogous 1 the implantation of the preparities of the douderman, analogous 1 the Turnation of the preparities of the doubt of the preparities of the doubt of the preparities of the preparities of the doubt of the preparities of the p

By Zestralbi f d. grs. Chir u. l. Grenzgeb. After a tholecystectum; an inflammatory strict re

of the supra-douderna part of the e saic doct formed hich left it the obliteration of the passages. In a second operation, the gail passages above and below the obliterating part were opened and the defect bet een them, a durance of bout a creatineters, was accounted that the obliteration of T ribber hose which wound beatled completely. After few weeks letters wound beatled completely. After few weeks letters wan developed which after two and one half years forced third operation t be undertaken in which he new formed cyptic duct as found it be entirely patent and zormals to that any one not knowing of the previous delects would not have been able to due to the control of the previous delects would not have been able to due to the control of the control of the previous that the passage of the control of the previous the control of the previous that the passage of the control of the previous that the passage of the control of the previous that the passage of the control of the previous that the passage of the pa

In second case Titule as used thesis retrodenderal defect to such manner that one branch of the Tube as introduced let; the tepsale duer the other through Wittels disponse instale in the duodenum. The patient died on the territory of the territory of the territory of the Titule as found the bring correctly and to be Titule as found the bring correctly and to be found to the territory of the territory of the Titule as found the bring correctly and to be the territory of the territory of the territory of the Titule as a found to the territory of the territory of the interest of the territory of the critical section of the patients of the territory of the critical section of the critical section of the territory of the critical section.

DECTORIS

part as be treated by the subset method or hythat I William both consists the normalization of drain the hope that it will later enter the intesting and this be gotten red for that of Vockker by troduces drain through the dust in the pupilla of this form of the facial canal of the testing. The method for sall growing bridge in cases where it is necessary when the union of the shortened end if the gall passayer cannot be must be the treated of the gall passayer cannot be must be the intesting is not treatly gallong.

MOMENTAL

NORTHANK

Kunpe Parkrentle Hiernorthuja (Die Pankreasletmentunge) Dedielle Fücht f Chr. 3, cirt, 47 lb Zentralbl f d ges Ch. 1 Grengeb

The athor conjunction th Ricks conducted some expenses t pun ralib t fo the tudy of acut pancre to hamorrhage. The succeeded in observing the pancreas and the mese tery for bones. in the living nimal. The result of their investigation diff. from those of othe in estigators. The spenment lead t the folio ag onchu sions. The maners tie paice I the rabbit on sea stans hamorrhage and perrows of fatty tunes Digeration of the vestal. Il does not occur nor dues hamorrhage due t hexis A the direct injection of liquid int. the panerestic duct permeation of il el int the ng tanues due t non sed pressure conclusions from experiments of this nature cannot be binding furthermore found that the salts of natural panereatic juce hale he same tion pon the vest la yetem as art fixual salt solutions of the same percentage Both product as ad beenorrange due t dispedent irrigation of the mesctime substant of trypsia dal not cause hemorrhage by hexis but led to at els and hemorrhage by diagedest. Inset solutions of tryps she ed no ctio upon the tessues seither did solution of stups; thattese or ferments. These experiment and those tried on ith bile showed that trypun does not ttack the alls of bying blood vessels and uses only alo ing of the blood t cam and hemorrhiges by dispedests "alt solutions of ve and inactive pancre tio jace as some other excretions and secretions of the animal body ga similar results. knape is of the premion that nervous relation may furnish the cause of hemorrhage in man, the same as try ma, exceptive ion of blood and poesons. II considers the incurrenation of gall stone in the papella as belonging t this type of nervous irrit tion. II enumerates some cases of acut pancreats, hemorrhage I Bowing trauma ith simultaneously that ing cholelithums. knape concludes that the etlology of pancreatic harmorthage is not iform. The causes may be the orga itself or may be transmitted t the gland by the serves. The point of track of the amount ctors, however is allown, as the vascular nerves to 1 3 flected This ttack in t m leads t harmorrhage and turne

Crobn The Diagnosis of the F actional Activity of th Functional Collection of the Function of the Function of the Function of the Dividental Contents and of the Steels. 4w J M Sc 0 p. cxt 391.

By Sup Gypec & Obs.

Until recent years the f action of this rgan as strongly highed by the occurrence (such a symptom as glycoseria or the presentance of bulks and fairly stood and the threeps to use the external secretion (the gasercas for diagnosis was confined to test of the stood and urine. More recently a method introduced by Baldyredt od elaborated by Abardi consisted it the introd citon of n offs old test meal int the rhomach and testing it for regurgitated as creatife fermena.

W thin the last few years, Linborn Heramet and Grow have had pendently suggested introducing int the dundenum catheter soft rubber tube d collecting directly the pa creatic secretion

The uthor pape is founded iron the results obtained by analysis f diodenal and stool ferment in t exty-arren chosen cases. The method of obtaining the material is essentially that of Elabora using his depotent pomp which consists of vulcan ized rubber catheter one meter long and of sarrow bore t on end of hich is tracked small per forsted capsole glass spirating syringe being tisched t the other end. This was swallowed up to 80 cm. at eight clock at night, deglutition being saisted by the drinking f little water it twell clock and ght 8 ounces f milk are drunk fo the purpose I wasting the capsule to pass the pyloru At it there a it, the same amount I milk is again administered lock serves the test meal. T ad one half hours later the contents of the duodeoun re spirated the cutheterbeing abdenumental the mark so con as opposit the incisor teeth healt is estimated that the capsole lies to the first part of the duoden m. The contents re wirsted for a min tes, the volume and character of the resultant fluid being noted. The fluid lithdrawn is assumed to be duodenal contents when () the radiograph sho the tube in alt in the duodepum or () if erron slowly stades for the tube life aspirating dustract difference is noted between the contents obtained I the point marked 80 cm, and the confter the metal capsule is felt thrira

audiculy to enter the larger earlier of the at match. With the capsule in the doodenum one obtains the course of fit saloutes 1 40 cc. I golden yellow adpitily acid to securial nather health of the more or less opalescent loss. The clotty in acortain cases is 1 to (archity per cent). Chemical methods: I having obtained the con-

command merions starting occasion that the terms of the first part of the doubleount the present and quantitive trength of the ferments in extinct. The fluid after officiation with the control of the fluid of the

The stool A 4 to 50 dilution of stool in alightly distilled water was used as a basis for the estimation For amylase the Ha k modification of the Wohl

remuth method was used For linear and protesse the same as m the test

with decidenal contents. The author gives technical discussion of th tests considering () the method I obtaining the duodenal contents (2) the identity I the mylolytic ferment (1) the preservation of the bpolytic fer ment (4) the preservation of the proteolytic fer ment (5) the identity of the proteolyti ferments. A table sho ing results I the different tests made of the d oderal contents f normal perso shows that normal versge of cc of duodenal muce hydrolyses 14. cc of a per cent starch solution In one bour

of doodcoal For linear Normal vetage contents requires of ce tenth normal A OII after as hours

For casein test. Normal verage duodenal con tents in dilution of t 1666 digest

per cent casem solution In the t dy f this table it is found that quantle tative test. I the strength f the pa creatic contents from the duodenum f normal man aries a thin wid himits. In all but he instance, il three were found in an ctive stat th one being house With these findings as a basis, the thor mad test in pathological cases, finding in holelithman confirmed by operation, that th ferment to the d oden m a re active excepting

ne case examined before operation—this sho ed th absence I amylase and lipase. At operation th head fith pancreas was infiltrated and swotlen

marked degree

In case i cut pancroatitis the fermenta ere beent except a faint trace of lipuse, the stool giving the same poults. In this case an abscess involved the body of the rgu. Anothe case examined showed beence of the ferments which several ecks later returned. Intoony aboved. manage surroma in alving the duodenum and head of the paperess Here the ducts if the pancress had evidently been time then for some aknown reason the obstruction had been partially relieved and excretae established

From study f cases f diabetes mellitus the thor concludes that in all probability the external secretion f the pancreas plays no rôle in the path ology I the disease. This, however should be be int spreted to exclude chronic pancreatitis with changes in the islands | Laugerbaus as no idea of the faternal secretion of the pancreas can be ob-tained by these analyses. In these experiments, the autho holds that crepain even though present, is never I sufficient strength t interfere with these analyses. The thor holds that these analyses are of value in diagnosticating the potency of the pancreatic ducts but that more experience is neces-sary t determine their value in diagnosis of functional ctivity of the gland H. A. POTTL

Derver nd Pfelffer Pancreatic and Peripan creatic Lymphangitia. T Am. Surg Att By Surg Gynec, & Ohet.

The a thors believe that the pancreatic ducts have been given undue prominence as a path f infection to the pancreas. It seems more than probble that considerable proportion I the pancreatic awellings observed during the co me of operation particularly in connection with billary disease, are the result f lymphatic infection transmitted from the east bladder or in some cases the duodenum, and possibly there of the abdominal organs. Bartels and Franke have demonstrated lymphatic paths leading from the duodenum and gall bladder respects ely bich are in intimat association with the urface of the pancreas and anast mose with the intrinsic vessels of the pancres. Permancreatic lymphaneitis and lymph adenitis are seen to be very common in bibary disease. The pancreatic lym phatics are of collected int singl tru k which emerges t the billum f the gland as is the case with most of the rans. The lamphatics of the pancreas emerge at various poi ta, following the vascular supply The lymphatics f the tail and body there fore constitut a separat system from those if the bend It is well known clinical f et that the head of the pancress is the portion which is chief. affected in co nection with disease f the biliary tract. It four inference that the coud tion which singles out the lymphatic distribution rather that the duct distribution is mor likely t have been carried by the tymphatics. I mull-bladder duesse the chain f infection can sometimes be shown namely infected gall-bladder cultirged lymphatics t the neck of the gall-bladder and along the course of the gastrohepatic oment in peripancreatic swelling aid lym phadenius and nodular su lling of the head of the pencress. The condition when present i the pancreas may be spoken I as pancreatic lymphanai tis in its early stages the elimpled t congestion, ordenn and beorbable cellular exudate these changes have not been recorded by pathologists he cause I the rarity of the material 1 the utorsey table and also because the post-mortem discertion of the pancreas renders such changes inconstituous. When the sou ce I infection is removed the pan creatic condition subsides in the sum manner as lymphangitis 3 here in the body If not Beved, it seems probable that serious damage t the parenchyma with chronic intentitial cha ges may occur

M yo Surgery of the Pancress. I Injuries to the l'ancreas in the Course of Operations on th Stomach. II. Injuries t the Paucreas in th Gourse of Operations on the Spicen. III. Resection of Half of the Pancress for Tumor Resection of Arr 9 3, May

By Surg., Gynec. & Obst.

The pancreas is usually fixed in position though it may be more or less movable in the body and tail. It has no true capsule, but when irritated capsule quickly forms from the peritoneum and those thesees derived from the peritoneum Acces 1 th pan creas for operati e purposes is usually best obtoned through the gastro-colic ament dra 1 g the stomatch p arthaud the transverse old down and 1 in three botter and see enty-eight cases 1 or class from the form of the stome the particular of the stome her case-criticals frace-claim of the stome her case-criticals.

verage mortality of leven per ent there were eight per ent hech had pancer to attachments estatung in Jones t the panceras, athout a created most live. I now of these operations however as the min pancer t dust n heel unrully it superficially be a removed from the best of et point here the pancer had the dusden m as implianted in the curation in the dusden m as implianted in the curation in the panceras whether the though the large following.

Ukers of the proteins all of the it mach often perforat and become it hed it the pancreas thus forming exa to in that organ. In these leaving no re of fection and portion of the guarte the materials are the performed father of the part of the part of father of the part of the part

II I the ourse of thirt spicoestorpes the tail of the pencie high free locally incomerated the the perfole of the picen jured three times. I one about nabes of the tall i the pancrees as tracked t the removed spicen and the pascreatic duct as plaus! visible tied stump. The stump as cred by pentoneal traue drain tracked and dropped back in pos-tion N drainage followed. The patient recorered I the second are the tall of the paneres as tied in the pedale bout an ach from the to The stump as allowed t drop ha k this condi-The patient reco ed I the third case the spleen w of great size ad the spleon riery theromatous and d mag operates manipulations t

necessary t place "double light re around the tree loody of the processa bout three inches from the tail ial lodling the splena resolts, because he the ritery as need lone t i through. The pacreate theories ere considerably rushed the ligument as polled t i. The harmorrhage as immediat by controlled but 1 mour greater safety, second figure as picked one only in these the

right. The patient recovered

III Resection 1 the princess for tumor occurs
but rarely 1 one use the tail and body of the
pancreas (4 § lockes in all) as a rimoved for tumor
Patient recovered | finises report collection of
seventeen cases including one of his own. These
with the one in the M yo 1 is mit eighteen easis
in high there were ten recoverence and eight deaths.

Pratt ad Murphy Paperentic Transplantations
i th Spiern J. E. H. 5, No. 5
By Surg. G acc & Obst.

Pratt and Mumby transplanted list of pancreatic tissue int the spicen in order t study the outcome of the trampla ted tierne and the effect of these transplants preventl g the occurrence of gly cosuma

It is ell know that total extirpation of the poscreas produces rapidly fatal diabetes, but that this is prevented if a poece of the tail of the passerss is placed I be bloomfast all and its blood supply caref ly preserved. It has been maintained, but ever that this experiment does not disprove the eurocyclic hypothesis.

It was found by the nithous that pascreate transpt as I be spleen undersor trapid autospin. In 5 of the a animals examined 8 bours to \$18 days fleet transpla t tion no parteralic tissue a scott I one dog class were found 3 days after transpla t tom. I the other 3 animals in which pacreates tensie was found the animals in c 8 bours 1 8 day, firet operation One experiment as performed in high the blood versels of the transplanted portion restlet intext the time and tied of the state of the state of the state of the found in the notified of parterist fewer tensillog. The dog did not develop a permitten gly couris, but the everyat toler nor as much low red

INTERCECT

MISCELLANGOUS

Crite Relation Between Blood Pressure and the Prognosts in Abdominal Operations. T in Grac 12: 9 3, 31

By Stone Gyrand & Ohat. The elation bet een the blood pressure and the progresses in belominal operations is based posit stremes viz a extremely low blood permits and a extremely high blood pressure. Pro ided the heart is normal or now control the low pressure phase by transferon of blood, by mechanical means or by saline solution. The high blood pressure is fa more difficult t control became it is difficult to control the fictors that produce this condition. If there is cardiovascula disease due to fection or t fues altroph wine may have little effect though there is type f cardiovascular disease that is controlled by nitroglycerine. It is not be t reduce the blood pressure b bleeding and aside from nitrogly cerine and hygienic measures there re no other remedies. Whether the blood pressure he bnormally high or boor mally low the patient is more likely to be ecomplications - such as thromboses, emboli paramonla, aeparitis -- indeed the bnormal blood pressure plays int the hands of the usual dangers and complications of belominal operations Could the operation he so performed that the nervous system ould remain injured the blood

pressure unaltered, the maximum degree I safet ould be reached. The uthor found this could

he done on the principle of non-association.

SURGERY OF THE EXTREMITIES

DISEASES OF THE BONES, JOINTS, ETC.

Wetherill Th Growth the De th, nd the Regeneration of Bon J 4m M 4ss o 3. bc, o31 By Surg Gyace & Oles.

The purpose of this article as t discuss the see of leading purbology-us and unprecess as t be f c then f the person term in health and discuss with expectal reference t is poset t reproduce whose Dre. there moves a treadvely from M cream book i which be itempts i prov by animal speriments that the perioasrum his no acteograms to the product of the

The success! I impla tation of bone deninded if perioritein and the osseous prolifer from indicel is grot the crumferential of gratie in masse or from bone chips or shavings are disacted as argument

gainst the outcopensite power of the personteum. The thore quotes M crosen t the effect that small grafts placed in gap in the outin ity of hope show circe proliferation from the hole circumference each piece becoming usually may center from high sufficient concessit uses to know. It fill in the gain between the varyous fragments of

t mim the gap between the various tragments of t alt them together along ath the two ends fithe divided shaft

Personal cases f the uther are cited demonstrating the hunting function of the epiphysical card lage in preventing infection from the disphysic from reaching the epiphysical ends of the bones.

to bearing poor his cinical observations the thor quotes M play as saying his (1) personeum fully destached from bone and transplasted into muscle or fairly tusine may produce bone (1) personeul stips elevated 1 one end ad tached the other 1 turned out into muscle or fair produce bone on theil under surface for greater portion of their cuttle englist (3) bone with or thosis personeur transplated in the assem individual to doubtered may be under the contract of the contract

Contrary to Murphy' results, Macea en al y failed t gro bone from the detached personteum and I variebly succeeded in producing new bone from transplant en masse or from shavings, the more bondant prol feration of bons als wis coming from the multiple small grafts. Francesex Dras.

Wilson and Resemberger. The Relation of Teams t Bone Tuberculosis. T. Am Orthop Sec. 9 3, May By Surg., Gymc. & Obst.

Wilso and Rose berger critically analyzed the clinical and histological aspects of the relatio f

trauma t bone t berculons. Animal experiments delineal experience together with a review of the hierature fall to reveal any logical connection bet een trauma and bone tuberculosis.

Histological audies as too enfeding that the progress of the properties to the properties to the properties that construct the confirming the clinical observation that constitution enterer communities, if libras, frest craspatins, or other severe I juries. It is purely the corrected I took if shight impries, like breuies and contunions, because there is a be no sound basis for the reconsideration.

The animal experiments of may investigators have clearly prover that infection has produced tuberenously where no trauma was used a defrequently demonstrated that the injuryed joints ere less frequently involved in the terujosta than the unit juried joint scenario province that the man is often trumped por its occurrence frend needed attention to previously exist ig

t berrulous Inferts from tuberrulous I fertion and therefore haterer lowers the vitality of the patient and flim shelp resistance becomes potent factor the retrograde progress I hone to berrulouis, and thus beings and compressions prominence a factor to berrulous. Comments to the patients of the patie

t beruloses by the process of wall g-in.

It impossible t determ ne no any rational
base that traums bears y the relation to

toberculous that a co-incidental co dition

France: An Experimental Study of Bone and

Joint Toberculous. J. Exp. 11 0 3, xell yes.

B. Surg. Oyne. & Obst.

Fraser points out in his nalysis of the experiments of Schuller Muller Krause Benda, Lanne longue Friedrich, Pietrallowski in Salvas that contradection prevails, and that it is difficult, experimentally it reprod or the sausal linkest phenome non of tuberculous in bones in dioline.

I repard t the chology and pathology of hone and joi t tuberculous, he states that experiments were performed t find ut first the rote of afection second the f ctors governing the localization of the lexion.

Ten animals were lapteted with dried lacelli from et 1 two milligrams, and its weeks later wer examined. Ther was found daseminated tuber clouds. The bones and joints abe et no involvement through they were given as et l'extendanted and lacelle control and though they were given as et l'extendanted and a section de la control animal de la control de

This research revealed that bone and foint t berculosis is not pt t occur after generalized infection.

In regard t the fet ra which governed the localization f the lesso it was necessary t infect localized area of bone. The tibia as namelly selected. The t berculous material was i lected it the medulla care being taken to prevent the tusues surround g being infected. The human bacillus was employed. Fully developed sumes mgs and rabbits ere used the experiment Seven guines pugs were inoculated and lived from ten t artly days. The xaminatio f the infected bone bowed that tubere loss osteomyelitl developed in

fout fac en uses I the three negative cases the microscope failed to reveal citive to berrulouis I no f the cases there as healed t ber plous focus

\ experim too nebblt as perf rmed tw rabbit being fected th the h man bacillus ad th the ho be by lius. The t th human bacul showed the one single pul monary t berculoses but no ctive tuberculoses in the bone the ther showed light polymonary t ber culous ad no t berculous of bones. The t fected th bovine showed in the one no general t berculou but slight tuberculous osteomyelitis the other showed the same findings

From this was found that the human bacallus produced no osteom hits. The boyuse bacullus causes slight kisson but never severe The cellular action in the rabbits is so intense as t prevent general spread of the bovine type of bacillus. Another test as made on rabbit a th the huma bacillus, nd this time the epiphysis f the bone as hosen as is seen clinically in a bereulous f hones T rebbit were need, the hams bealli i jected through the medullary space int the epiphyscal region care being taken out t infect any adjoining arrecture. After boot surty t minety days the animals wer examined. There were no general or local afections t he found.

From these experiments can be seen the great difficulty f infecting the medulia f healthy bo th t berculous even in the guines but an imal

very susceptibly to the infection, there is seen an inclinate to recover The rabbit not rally immune t the human bacil

les has the ability t prevent the development of the infection the boyine bacillus causes only very slight development f the disease. Clinically from this twould seem unlikely t have primary t ber culosis of cortex o medulis of bones

T find the action of infectio on joints, four rabbits were chosen, the left knee joint of es h was in fected. In two of the rabbits injection was mad with the huma bacilli in the other tw ith bowine bacilli. Those infected with the human bacillus hwed one hundred and t eaty-eight and one hundred and thirty-eight days respectively. They were killed and examined. The test as negative as t general involvement while the joints showed chronic tuberculous synovitis. Those injected ith the bowine bucilles it ed forty fou days. I the one rabbit shight pulmonary tuberculous was found together with acut tuberrulous expositis of knee. The other showed the same findings.

From this experiment is seen the greater liability of joint rather tha bone involvement due possibly more lemened cell resist noe in joints than in bones and also the greater intensity of the bovise bacillus. Clinically never is there uch great amount of bacili injected is done experimentally I order t have gradual transmission of infection as seen choically experiments were performed t

that end Four rabbits were experimented upon huma ba calls were i lected t the mesenteric vern. Fliteen t fifty me days elapsed. The post mortem examinatio showed volvement of live 1 gs, and pers-

toneum but in very instance the bones and joints were not involved.

The suggestion that bone tuberrulosis is due t bematogenic infectio as proved likely. It as found that after direct inoculatio of the heart blood via of the left ventricle in at rabbits only one instance as there found local infection and that healed-in t bercle nd retrogressive. All of the

six cases she ed, bowever marked pulmonary t bereulous. Thus, it is prarent that, ithout by predisposing factor circulation containing t berrie bamili is not ant t cause local bone or joint

toherry loos

Agala, an tiempt was made t produce bose and joint t bercalous by Jectung t bereie bacilli int the main vessel supplying the limb. In the experiment four rabbits ere used. I every instance pulmonary tuberculous was prod ced and in t cases, joints were invol ed - the left able joint ad the metatarsophulangeal joi t. A y change in the bone surrounding the joi t as secondary t the evpovial tuberculosis.

It is possible t prod re jos til fection by inocula-tion of the main blood vessel. Ith tubercle badill The preceding vperiment leads t the inquiry whether the inoculation of the trient vessel

carrying bacilli int the med lia will ease joint infection.

An experiment was mad on two rabbits, the moculation made int femoral stery. The main trunk f the femoral artery below the trient artery was brated, permitting the inoculation to pess only through the trient artery int medulla. I the rabbets tested no bone injection took place but pulmonary tuberculosis as present.

In conclusion t will be observed that it is impossible to assert that the results rrived at by experimentation correspond t those clinically sees in man, but the results of experiments will throw great

light on the probable truth.

The points adduced from the research are Direct infection of the medula of the long home is unlikely t lend t the development of tuberculous outcomysitis.

a inoculation of the interior of a joint th subercle bacilli readily causes t berculosly of the synovial membrane.

t From such a injected foi t the epiphysis or metaphysis f the bone becomes diseased a Injectio of the reedal heart blood does not

result in the local development of a berculouls of the hones or foints. 5 Infection of the mai artery supplying himb

leads t the development of t berenkous disease I certain of the foint (that hmb

6 Direct injection of the utness there does not esult in t bert lous osteom el tis if the bone Jon H Sa

Hammond Heliotherapy of Rollier) ex Adjunct i th Treatment of Bone Discuse Adjunct i th irensisted

T in Orthop for 9.3 M

B Surg Gynes & Oles

The autho sho the value of heliotherapy the treatment of lone disease comparing results
th years in buch t as not used. Distinction is
made bet een b botherapy in bu b the same alon
b exposed and that in which the the body is subjected t gradual tanning process fter the method of Rollier This results in marked sumulation f the patient as whole dated trees corresponding The technique a as improvement the si f Bo s I order t tan the skin hthout he ning the body is exposed sensily the feet for three periods of five minutes each the first da. The at day the feet are exposed three times for ten mi tes each d the legs for five m tes I turn the thighs, belomen best not rms re exposed The back of the bod is exposed as all as the tront On each acceeding day the exposure I all part treated is made five min tes longer. When the body has become uniformly tanned the dathy spoure is increased t from three t seven hours Compan g at testics fall cases treated t the Cra ford Men Hospit I during o and o show marked improvement in o when heliotherapy used for full season (It as used f a few eek in o) I o the engegs i eight as a The m o 4 lbs I o the crage gain harmorlobin was 3 per cent

9 7 per ent Combined with outdoor his not seabathing t an imports t disnet in the treatment f these

Stocker Etiology and Therapy of Occomulacia and Rachitla (Cler de A soude and Theraps der Osteomalacse and Rachit) (or Bl f schu zer Arcte 9 3 xlab. 57
B Zentralibl f d ges Chil Grescoreb

ther' theories assume that outcomslacia and rachitis are the results of the same pathological process - failure of calcification during the constant intimately connected opposition and resorption of newly formed outcoplastic tissue. The metabolism going on during bone-f rmation is a i netlon i the hormones, I hich those originating

from the hypophysis the thymus, the thyroids and the adrenals have stimulating ction while those originati g from the perm-glands have checking

restraining fluence. If this be true then it m at be possible t induce soften ng f the bones by prolonged administration of sperm-gland hormones in acreasing strength. Of the different methods vailable for this experiment the autho selected the on of implanting germ-glands i the preperl toncal tusues. After fail res with rabbit the

the transpla ted ovaries in call nd testicles in male dog id noted the I liming result homoplastic transplantations of testicles and aries succeed by observing certain preca tions they grow here transplanted the hormones if the sexual glands influenc metabolism t such an tent that bone changes occu corresponding t those in rachitis and osteomalacia the bones remal ing soft I ossific tion processes re impeded. The deduction from these experiment is that bone hanges in ra h to dosteomalacia must be result of hyper secr tion of the permatic glands or of some part f those glads. The thore tries t prove by ill kno xamples that constate high tension re lation hip visi het een gland having internal secretions so that predominant fone group t ada t ercome the ant gonustic group direcversa. The andi ximal glands of group re not undue ced with equal I ree though physiological has are not yet known. The drenals of the call experimented with ere trophic For therapeutic purposes no defiant rules can yet he form lated, though t is believed that hormone-deficit erroms reaferably by 14st g the element la L g Cures were flected by extract of the supra nal will of the hypophyseal and thy out glands. I selecting the separat remedial extra t ar as yet the gramme tal tige The same ordinors bias the testment the milk or serom of contrated an male tept that the latter are more difficult t peat re tha glandula extra t SCHE TO.

M rphy Ostoomyelitis of th Tibia; Transplatation of Ten inch Segment of Bon from Opposi Tibia. Segment of see Jiska B Maryka o 3. h By Sang Grove & Selven

The patient young woma fao in red th mner side I left leg by mustep. She as operated several times and the greater part of tibus e moved. On distinction there was an old discharging ound just above Lie nd inab lity t bear eight on leg

The transplant was the longest Murphy has ever used The incluio was made along the old scar down t the ads I both the upper ad lower frag ments socket was made in the med thary canal in the upper fragment by the reamer and smaller one in internal malleolus. A piece of bone, by 34 by 14 by 14 nches was removed from the crest of the other t his nd inserted 1 t these fragments. A small ire nail bove held the transpla i. The soft insues losed th catgut and skin with horse hair A plater out from hip t toes as put on the foot erted and flexed at ngle of or the cat at the tglas Merch next pul on plaster ast thout ting t tone other ould be compressed f the external (se the erve Primary umon I the ound poplitesi or urred At tim of eport hope egeneration was ont using The leg firm I the nationt had trol [] m scles 5 per or temperat re HDE ODET DOG L I Vin te

Kassowitz Ra hitia i th New born Rachinsten Neugeloreach J his (h ndrik 1) 177 By Zentralbi (d ges t'lu i termegeb

The pape is out nuation of series of rtakes the thor rachet hich recently ppu red the arbook for kinderhedk ada. The question of the probabilit. I the or urrent of ongenital nachat is disc sed. Ref ming his earlie in estruct in and outsituting deliconal to a l ad just bologic material he defends his at indiposit operated soft Lilt and ongenital re-arm 4 he onsidered gen ne rachetic symptoms and that therefore congenit I rach to does to Wedand Pommer Schmerl and the large m sonts of pathologic anatomists onether the sacreage size of the percus Lesia, comparison. The size high is normal to the just all period of his the only dependable criterion for the diagnosis f achitis. On the other hand, kamo its rel his school lains that the t frachitis especially the printing that of paper one and affammatory sex formation of blood eved in marron cart lage and periosterum as ell as sign of escription in the emaining portion of the ossens virual res. The former oninde the beens of k am in the new! formed ossets transthe primary step. the rachitic process the latter interpret this as ea it of the abnormal ner se of scularization oil orgest of these struct res The pathologic ortened is deceptive diagnostic sien of rath to as I my be entirely beent progressing case even of the gravest t pe. Il th such centrary ope ion of the onception of 12 hetre t is not t be ondered that the hanges of he keleton of the newborn re by Wieland considered physiologic or pathologic but not as rachitic adre designated as specificall ra h tic b karrow ta

Coley Perioateal Round-Celled Sarcoma of the Fernat Involving Tw. Thirds f the bhaft with Extensive M. Itiple M tastasis. T. Im. Surg. In. 6.3 M.y. By burg. Gynec. & Obst.

Coley reported case of periostical remodeciled surroma of the femor in olving to othind, it has skatt, lith extensive multiple metant see powerfully cured by the innect toxins of crystapias and hardlin produgiouss, in hom ten years later malignant t non - succount and epitheloma - developed in the thigh, the set of old \text{\text{Type details}}

The case w believed unique in being the only on on record of periosteal round-relied aurrous of the femu ith metastases cured by y method of treatment 1 1 bruary on the in obtenent of the fem as so great (t thirds of the skaft) that hip-joint inputation is troughy all bed, but re fased. In exploratory operation a done and the diamonts i round-celled successa confirmed by micro-copical examinat in made by Dunham and Ituxton. The \ ra | rre used for a number of months t the took tof causing severe dermathle. While receive g \ ray t catment | large metastatic tumor developed as the left pectoral region and larger t mor the ele of hild head, in the flohumba region. The growth i the pretoral region as partially removed and mbe of \ ray treat ments policed t the locality \ \ rs re used for the large flool mb2 tumor. The mixed tovins F boury oog od continued re bego attl July 5th eight six jection 1 all ranging i doses from 11 rominims ere given. At the end It mosths, the hard tumor became fluctuating I toclaso was made posteriorly through the firms,
d pwards of pi t of broken-down perrote
t mor material evacuated. The patient made ventilet measure except for the dermatitie of the thich both persusted d ri g the following ten vests 1 My o mall epubeliona developed t the sit of the slight dermatitis in the pec toral region. I (ktober the dermatrin of the thich caused by the Vin underwent extender mahgna t degeneration. The t mor grew with great rapidity. I exploratory operation dose on vovember 1 0 and the larve tremoved et mined b) Wikh ad E. g. as also by Clark. The specimen examined his Welch proved to be round-critical santoms. The edge of the specimen sho ed struct re high resembled true epithehomatous growth superimposed aron the sarroma-Ewing specimen showed spindle-relied success Clark epithebona of the basal-cell type. The patsent grew orse rapedl ind on J mary 2d finally convented t imputation luch had been advised as soon as the diagnosis as made. At this time be as extremely emacated the blood rount showed is pe it hermoglobin, but despit his rakesed condition he stood the inputation well. Death corned two erks bler propertly from general

metalases. Veareful study of the entire specimen by both Wikh and E. ng aboved it distinct types of two side by pade one it yeard spitchions. The former side by pade one it yeard spitchions the hard formed on the modulary on ity of the forms, abort distinct by the couple, if the pade it is not specified tumor incessuring 5. Sen. Microscopical cranition showed the tumor the apparamous-cfied epitheliona, I tempered by both Wicks and L. ing us materials to the size of the both of the couple of the size of th

development was entirely independent f the ori mary growth ften years previously This was also the openion of Welch and Ewing who thought that the sarcomatous tumor might possibly be regarded as a re-lighting of the old bone sercoms of ten years ago some of the cells of the former tumo having remained latent during this long period. Lwing was unwilling to express defin te oranio without comparing the histological structure of the later tumo with the earher. But even with such an interpretation, i e, that the late tumor was re crudescence of the earlier growth, Welch stated

that the efficacy of the treatment by your method was strikingly manifested by the history of the case nd so it seems t me t have brought bout the disappearance of the tumor and to have kept the growth in check for ten years, no then t have the same (presumably) type of growth reappea in the original site-and this markedly malignant type of sarconna -is unique chain of events which is per haps more convincing than the disappearance f

tumor without a later return.

Color stated that as far as be knew there was only one other case in which tw. types i malignant tumors (sarcoma d carcinoma) had occurred fol to ing V-ray exposure in which the improces was proven by histological examination, but that he knew of no other case in high the turnor had developed such long period fter the exposure.

Marshall A Collection of Facts, Ideas, and Theories Relating t the Di cree Element that Contribute to Success in Treatment of Joint Diseases. Sector M 5-5 J 9 3 clarks, By Surg Cytec & Obst

The uthor believes definite relationships exist bet een vaceral ptosis and arthritis, and as with t berculous gonorrhors and progenic intections which re companied only in comparatively small percentage of cases with joint involvements so also with visceral ptosis, articular changes are not always

The primary causes of pathological cha ges in comts brought on by visceral auggings ar a befound in bacterial decompositions within the stomintestines. Intestinal bacterial products accumulat in the circulating blood from exercise beorptions from the lumen of the digestive canal. or through defect re eliminations by the Lidneys, or from defective transformations and destructions by tissues of the body or as the result of these combined influences.

When quantities f bacterial substances in circula to increase beyond certain hmits, there are slowly developing pathological changes induced in the body tuenes. The changes vary according t relatively variable resist notes of different persons therees, and are observed typically as penarticular as Illings. synovial effusions anemias, plargement of lymph nodes, losses of muscular tone etc.

The muscula alls and connective tissue supports of the stoma h and I testines probably te acted

upon also by these sam dirculating becterial prod note with slight regultant deteriorations. mechanical influence of distentions and weight of food accumulations together a th the harmful vescular influence produce natomical abnormalities

nd services. Visceral ptosis may have ther rigins for example ptods following pregnancies and after abdominal operations, etc. It may be present in extreme degree without arthritis and without signs of intestinal toxicous at times when physiologic functions if the stomach and I testine remain normal in spite of abnormal anatomic relations. Anatomic irregularities, however predispose t f netional ones, and sooner or later toxiemles are likely t develop. Then the small proportion of persons a th non-resistant founts show articular counces. Propa aboutd be considered a predisposing factor in the development of these cases of arthritis, and the primary cause recognized in the bacterial products hich may produce both lexions of the joints and seggings of the viscers.

Ordinary harmless products from bacteria congently present in the alimentary tract are sufficient count for symptoms and changes observed. their infurious influence being due to excessive amounts in preplation rather than their unusual texte natures. All normal products of tissue metabolism presumably produce barmful vinctoms when retained by the organism in too great propotions, as in urremba, etc. Harmless intestinal bacterial substances probably re not harmless in all proportions. No single element in the circulating blood can be decreased or acreased indefinitely without spectting healthy vascular proportions ad normal functions of the tarmes. Emphasis is hid upon quantitative abnormalities among normal vescular constituents as causes of becare patholog ical changes in contrast to the more early remembered ctive toxins of certain pathogenic bacteria and other mt oduced poisons.

Gout is compared ath mild intestinal t remise - it represent the effect of excessive quantities of curculating rates, normal prod cts of thene metabolism, upon jointa, kidneys. limentary tract. nervous system etc. hile mild intestinal toxicmlas show analogous effects of normal products from ordinarily harmiess bacterial growths in the intestine hen these substances ar present in the blood in inditation amounts.

The condition of the blood cannot be t ld from the degree of intestinal fermentations and putrefactions alone nor from the quantities of intestinal bacteral products in the unne It depends upon the ratso bet een beorption and eliminations, and not upon either one independently. Scanty quan tities in the urine may be associated with excessive amounts in the circulation hen the kidneys are week and excessive quant ties in the prine may exist with low concentrations in the blood hen there are excessive intestinal absorptions and large figor ous kidney simultaneously excreting racedly

A similar at 1 of affairs holds with goat with regard to concentrations of writes in blood and urfar-Finally concentrations of urters in blood and urfar-Finally concentrations in conserve degrees above for testinal pattractions or of corresponding formations of antate do not themselves above determine the development of those lexicon. Development of pathological changes depends poor the ratio between the vitality of the tassess in question and the degree of uritation produced by circulating substances. When tissue vitality a fow small propotions I furthasis in the blood may came pathological formation and the substances are high, large quanture of whether uritation may produce so powerst

Bier Th Treatment of T berculosis f the Iol ta (Behandlung der (icical tuberkulore) Desirabr ch

Aorg 9 3 B Zenzes Ed f d ges Ctu (arenapri) large umber f patients. Bier demonstrates suffering from t ber-ukess of the mous fount in whom he was fort nat braining excellent results maintaining the mobility f the joints ffected. II does way with fixatio if the part and uses his method of passive coogestion, which is carried out for the live hours dark energetic sodine therapy omplement the mechanical measures. Children ecel retw grams da d ltathree grains. By the use of lodine internally he belk es that cold baceurs high otherwise freque tly occur d rl g treatment by passaye congestion are pre ented. I series of fifty-sere cases, but t of cold abacers are recorded I the presence I becaus he relies pon sodine for their resorption KATECATES.

Coley Myonitis Omificants Traumatics. 4
Surg 9 3 lvs., 305 By Surg. Gynec & Obst.

Coley eports three cases of myoutus osalfacaus traumatics and brings out the difficulties of diagnosis from sarcoms. The etiology of the conditions utili

doubt butmany theories are advanced This condition must be differentiated from contusion hematoma, myositis, periostitis, periarthritis, and syphilitic tumors but all these conditions can be diff rentiated by means of careful examina-tio aided by good radiograph. It is sarroma which gives rise t the greatest difficulties in diagno sis. I myositis omificans the sharp outfine, corre sponding to the function of the tumor with the bone is always shown in the \ ray while in serroma it is less distinct except in the very early stages if the disease. In myoutis ossificans the consistence is much harder than in surcoma furthermore, it is almost always uniform in character whereas in sarcoma the very ptt be soft in some places ad harder in thera, but there is never the hony hard ness that is typical of myositis ossificans. Pain is rarely observed in the early stages of sarcoms but is oult marked as rule in myositis conficans. Jos t disability is also more marked carry i myositis

ossibeans than in sa coma. The absolut early diagnosis is so important that cases of doubt the uthor recommends explorar ry section and microscopical examinatio of the specimen.

Treatment in these cases depends upon an absolut diagnosis, most writers recommending extingation of tissue t variable length of time after its ppear nee Massage and early incision and evacuation of blood or condensated b the author

M rphy Chronic Trochanteri Bursittis. Sar gicol Cl. scraf Jan B Marphy, 9 5 k, No. Hy Surg Genec & Obst

R. II MCNEAL

A male ged an some fourteen years previous, as struck over right hip by rock enthing to pounds falls g on him. This caused severe pain leg, but he was sot incapacitated. If suffered on incore inchease subsequently excepting that during changes of weather he had alight pain as the region of hip. In one patient noticed gualil

lims over the right trochanteric region. This as freely movable soft and not painful or tender It gradually increased in also no by o was as large as base ball. Duri g these five years the patient lost 30 pound in weight. The tumor was then excised. It was soft and had f tily powr are. Patient then began t regain his right, but three months after mass was exceed second was present of patient immediatel, begs t loss eight patien. The mass teadily increased size and tour months later as size of here exer Last lugust (9) plasters of sine chlorid were applied t the mass, and in two ceks it disappeared. all ruptured, and yellowah discharge followed The descharge coots ned up t Oct 4th, beathe femor as exposed and curetted. Velloubh discharge in small quantities preared and continued t the present time Dec. o, o patient following exposure t cold, had hill, followed by fever The next day pocket of pus was opened in the thigh, and the fever subsided. Patient does not complay of pain or traderness, and has f li motion in hip foint

At operation the case proved 1 be 1 pixel one of brantia high had burnved in all directions each at in was carefully followed to 1s termination, at the surface f trochastet taken ff down 1 portail hoay turner. Curretement does no good in such case they require careful, clean out dissection. Small to bila drain, deep catgot antures, tension instures of ally own gut, homeham for a bia.

Cult res from pus before operation also ed By procyaneus, which accounted for the green color The wound discharged green pus freely for the works, sometimes as much as p 1 doil) for drain was then removed, and three eels after the bound had closed completely and patient left bounds. If was given four or five mijections of stopenous procyaneus vascion and it cred his turning fi fancet. The discharge caused conplet recovery. L. J. Mirrassu. Henderson Regeneration of the Tendons. J. Lesert 9 3, xxx, 75 By Surg Gyner & Obst.

The experiment were do on the Tendo Achilles of large dogs. Photos were also not the results on Goardons. I the birst's tanches of the tendon as reserved and the sheath left. Nothing was used to bridge the defect. The sheath was seem together the catgot and the key pot up in plaster of Parse, the dogs being allowed to run at will in the pen. The plaster was removed at the end of Jo day, and there as found to be reflect another restoration. I

few day the dog used the leg normally. I the second case both the tendo and the heath were removed Nothing as used t bridge the defect The same after-care was carried out in all the cases There as an anatomic restoration but the pseudotendon never functionated. I the third case ne d one half inches of tendon was remo ed the sheath being left. The defect was bridged inh strands of black linen and the sheath sutured over the space ith catgut. There was natomic and functional restoration. In the fourth dog ther was removal f a nobes i tendon with the The defect as bridged thit There as anatomic ad f actional restoof line ration I the fifth dog pacce f hoen was put through the tendon high p and carned don t personteal inaction in the heel (car problemation

occurred bout the linen showing microscopically many gas t ells, the result of the chronic rnt tion produced by foreign body. Microscopic sections ere made in Il cases but macroscopic appearance is to be relied on more t distinguish true tendo

FRACTURES AND DISLOCATIONS

Binnt Snapping Hip. T. tm Sarg 4m q 3,

Case Male 14, years, admitted to General Hospital, November o Four; ears go right hip caught bet een in raidroad case causing i ru posterior crushing. W treated nother hospital here he lay to bed five no this no splint ere used. The hip was needers I almost year. After recovery be was causably follows pint work.

Afters ris he had to cooplaints () A marked ribbling pain the creat of right diam when he carned heavy weight. This had no relate to the courseroes of his second cooplaint () When he jumped or carried beavy eight there was an unbile and patable anapping t the right hip which tembered is heavy eight there was an unbile and patable anapping t the right hip and the students of the beat of the fearst becoming this call and which he could produce voluntarily.

Examination When the patient leaned alightly t the ght side the tip I the leventh rib tooched the disac crest causing a painful robbing. There was tenderness t this point. This position

There was tenderness t this point. This position of bending t ward the right was often assumed in endeavor t prevent anapping of the hip with its disagreeable sensation and feeling of weakness.

When austaining most of his weight on the right foot here extracted, if the patient leared toward his left, thick band there could be felt passig from the borer and anterior part of the trocha ter more payard and bardward (and the flate extracted the extraction of the bord side if the trocha ter bardward is the twisted himself to that the right fill loose moved for and the thickened be d slipped forward on the trochanter with sharp many which was palapsible soldle at several feet. If the jerking movement of the band out! Visible

If the band we held be kward with the fingers no man occurred. The motions if the pelvis which have been described are cont alent to marked abincide and rotation outwards of the thigh. In the recambent postlo the phenomenon could not be produced a ray examinatio was negative Di agrossa Snappi g Hip On N vembe 20 ether nestbens was difficultered. Longitudinal location was made over the great trochapter - deprespond g memon through the face lot There was a musego shaped thickening of the fascia posterio t the wo d and t the great trocha t (the fascioglutes! tra t of Heully) A flap of periosteum was raised by lo get dinal incision from the femur at the lower part of the trochs ter major and the posterio up of the chied fascia lata was sutured to this and t the vastus externus m acl non its oriel The anterior bp of the fascus was sutured t the posterior! such manner as t slightly yer tap the original line of suture. The akin wound was losed and the limb fixed spirits

The patient was seen brouth after peration here he was able 1 work. There as no recurrence f the mapping. The patient the right leg of the bas ability to straight the petwa. The patient mobility at the creat f the petwa has disappeared because he patient is longer beeds over it the right, creat as he formerly the former than the for

Case Strongly bult mal ged 3 April 20 o } about seven eight years go patic t maw another boy creating terest by pourently volun t rily dislocating his hip and reducing t gain with delectable anan H dm red the ccomplishment so much that he successfully mitated t There was no disability except that the snap was pt t occur in obstanly when he lifted heavy weights. The phenomeno could be produced on both wder. The follo mg is the sequence of events. Bears weight foot, dducts thigh (or flexes pelvis t opposit aid) slightly flexes knee d then band moves from behind forwird over the trochanter with a sudden jerk. H. reversing the motions, t the hip the band jumps back again t its retro-trochs teric position. The snap both when the band moves f rward and backward is visible palpable, and alightly udible. The band is not the ilio-tible band, but is evidently the anterior margin of the gisteus maximus it follows an blique line from bout an nuch letror t the posterior supernor this spine dows and and I re nd t the outer surfa of the fem to inches below the tip of the great trocha let. This is the location of the band just t ready t mix t i rs d snap. The band to bout the th knew of forefugger.

Permin in "Su reported a case" one of olyn

tary disloction of the hip, but the discussion high I lio ed it as sho that the symptoms re due t the shapping of band of favous or

mustle ov the trochs ter

Ba er perateil on one hp neter the dusmous of stolgi lead bursts found no bursts to be Lauty. I the glited teurbon. Out of fort uses ascerol lected from amous sources astern present due to man on I fatigue not let ne enther congent to or the result of pract. I the rest of the seat the rigge found in the fastient we not

sea the right doubtif the fasture we not secured or he put might ell fe mail gares (recruit trings to ool military serve et). In event en sea ther right fares (disabilit to elve no haabilit in the rest there.

doubt as I disability or no bajory. The fact has no open and is historite territor many for the property of the grid to say a most the trooks ter and I the distinct is said of a Preventing susping seems sho that the structure is the culprit. This notion is intergalized to Territorio observation that thesis however stope that the same receipt to be reason suppossible extent of the same receipt to be became suppossible extent of the same receipt to the same seems of the traction of the tract

t possible l'usafuly rupture or davision it le femoral insertion may pertuit retris ton p et nil la k ard of sone of he muscle there muscle boilt t error margit and so neves the possibility of the peculiary fungamen of this tissue over the trocha tet hen he proper no ments are may

SURGERY OF THE BONES, JOINTS, ETC.

This operation is indicated cases of severe the relation pass relation, mallgue t tumora, et hen the capsule t the pol t is surversally! added the surroussing soft part are sivolved. The

vanomotor nerve bundle he ever must be till in tact

The method of procedure is as follow. Maklongut dural incusion through the middle of the populateal space liberate and solut the vensels adherves. Make two circuis nomions through the

soft rurt tabe level of the t cods of the nerve bundle. The hones re then reserted nd mion of the t ends brought bout ith the aid of alumium bronze wire. The periosteum and muscles re attored together with all thread. The ners bundle must be imbedded but een the music I vers t the hape of S M & circular skin suture. The rater had occasion to operat this ma er on t patient s fferi g from t berculous pan rith tis is th required leg inputated. I one resection coultrd in good function although ith nin entimeters hortage. The other case suffered related and on month later it essary to disarticulat the femur. The dyantages of this operation are more that one. The operation gi es the best result ith healthy there. It is possible thith a method t unit the cut surfaces and the bone (ragment intimately and thereby ure brall g by first intention and firm bony union. The only disadvantage the marked short ent g of the limb on h ruly be considered sloce the only alternate of the operatio consist i montation borr the linee HOLET.

Galit Truden Fixation, Jan Sarg, Phis 3, htt. 4-7 By Surg, Gynn, & Obst.

The thordescribes original method for fixing the foot in corrected position in cases of paralytic tables equino- arms or valgos. His first case boy of right, had complet paralysis of both perorals and relates of the considerors at a result ing tal per equiso-varies. If first di ided the tenton t hills, foreibly corrected and put on an ankle ten inh stop-joint and T strap. The deformits recurred. Then dal an arthrodess at the astrograas la nd calcaneo-rubold jos t. 1 kylovis or urred but the deformity recurred t the alle jos t. Then he made an acusion, ver the percond tendons. Upper the longus forward out of it grows and buried it I groove no the interior sirl ce of the fibula with the tendon under tension, pulling the foot it valges and doraffection. The brevis as buried in simila groove in the posterior surface of the external malleolus Both ere se tured Ith so-da catgut ad covered ith perlosteum. The foot was put up plaster Paris for nine ceks. Fixation as so secure that the foot could not be adducted and range of old tary motion as normal i doraffexion, ad half of pla tar flexion. After alking without brace for months no tendency t recurrence

Three ther cases have since been sperated spon t of equilio varies, one of signs. I the last case the tiblahs anticus and postleus ere suchored t the tiblah free division of the percocals, and the patient

as given Whitman flat foot plat when he began t alk. As only five months have edipted inter the first operation it is too soon for definit conclusions, but the athor thinks if the tendors do not atretch, be operation in advantages over others of should be further lowestigated.

ORTHOPEDIC SURGERY

DISEASES AND DEFORMITIES OF THE SPINE
Lovett Th History of Scollods T in Orthop

An 9 % May By Surg Gyeer & Olse.

The article deals with the salient points a the history of acolosis tree its earliest mention in the writings of Hippocrates. The mention of the flection of Hippocrates gave it its name but it was the continuous properties.

evident that it was confused with other affections of the spine, as also by Paré Superssion in the irrat ment dates from the middle of the seventeenth century and the head sling from the end of that cent-ry Th affection was somewhat cleared up by André From the middle of the interteenth century sco-

bosis attracted great tremion, ad vast amon it as written bout it. The modern progress appears have begun with the pipication of plaster lackts in surpession by Seyre about 87 and further progress was made by the use f high degrees of force by Whitenam no. The result has come very mental treatment by forcible correction has come very mental treatment by forcible correction has come very mental treatment by forcible correction has come very mental treatment by forcible corrections as one very made in the opinion of the other body effective treatment in deading with the moderat and severe grades of

scolloris

The latter part of the article is largely a consideration of the evolution of formble correction

Porter Scotionie Its Prognosis. T 4m Orthop Ass., 9 3, May By Surg., Gynoc & Obst

The uthor discusses the prognous of scobosis without reference t the various methods of treatment under at subbeads.

The estine of the deformity. If believes that the underlying cause should be given as much weight as any other f ctor. Cases due t. defects in

weight as any other f ctor. Cases due to defects in development of the vertebre of in the offer the least hope of improvement. Those due to richitle which have gone on to adolescence thout treatment those resulting from empreent and paralysis offer had prognous as regards complet correction.

Cases due t static errors, such as unequal length of legs, enequal development 1 libe pelvas, and bad habits in sitting in school has better prognosis.

Cases due t torti ollis, visual and ral defecta, levated scapule et abouid be corrected her the cause is bokshed. If the bones er not hard and

fixed.

Cases due t unequal muscula development or strength re the most hopeful.

Age t onset H says, Generally speaking

the earlier the deformity develops, if it goes on for several years ithout treatment the orise the prognones but here the deformity I young hidren is detected early and given prompt treatment abouted expect excellent and sweet earlies.

3 Age I the patient Next t the etiology this is the most important factor. The longer the period of gro th head d ring, hich treatment can

be earried out, the better. The greatest successes are untilly found in patients between the great few days in two dt entry. In patient past midde lift a deformity which has not changed to many years may grow worse from trophic changes in the bones and joint.

4 Type of deformity Simpl total curves offer more hope the compound ones. The fewer the curves and the less the rotation the better the prognosis, provided they are below the cervico-

dorsal region

5. The patient Personal fact is such as temperament occupation, intelligence general health etc. have very marked bearing upo proposal, an alert optimize untersted patients will debete than philepmatic depressed, and weak willed one Computions which require constant carecide in the control of the contr

Incidental benefits f treatment. The improvement of the sculious almost principle.

is improvement of the general health.

The subor cites several cases t illustrate the points referred t and also calls attentio t the exceptions to the rule. Each are occasionally seen under almost all the conditions mentioned.

Little Some Recent Advances in the Treatment of Scoticele. Clin J. 9.5, is, 300.
By Surg Crosses. & Obst.

After discussing bretly the matemarial material material changes that take place on the spine in ecolosis, of referring t the minors methods of treatment that have been in organ more the seven teenth entary Lattle describes the method divocated by Abbott in June, or Since them be has treatment of the seven of the se

The first was pipled July 6 0 of the last moved on J usry 3 0 3. little versit months The rotation was completely on of in the dorsal spine but a shight fullness remained in the left 1 mba region.

As repards the value of this method compared.

nth those previously in use he say. In a wood compared to the say that a cought experience of lit is ble t say that it is t least in my opinion ery walmable innovation, and that I have already been ble to chieve more definit improvement amout ting sometimen to practical cure this with any other treatment both I has t tred.

Whatever may be the final vertice of the proference as t the extent t which Abbott method will our severe scolonis ther can I feel sure be little doubt but that he has made t on bound very gre t advance—an advance is my opi ion greater than) other made in the treatment of this deformity for may years, nd one hich dounds to the redit of hope era of observation od his perspical ty J L PORTER

Forbes Th R tation Treatment of Scullouls. T im Orthop | 4 L M By Song types & Of L

an rrangement of the present method of t tment of scolosus in hich the primary rus the dorsal egon. The am of the tho method is a produce physiologic scolous the ounterpart of the defamilts by is deform to the thor not deformity of the some lone so minimo is the freest of dorsal movement out two is by heat means of the time t The witho sa the Lar lemon tration of corration show b be position of the pinous processes pt 1 mistiding Rottio is best чеси 1 вежить brat greated b Bra flord ad Lor it weral in ago Fork the kaper manent we two met to tile b to alon but only by the selection to the problem. tion of Wilff L. I paral t scoliou bone graft may be ne was to et the praction feer or rection. The erhance 1 is high sologic rot toon so red due to R subrobeamed by the thor Arlam nel thers suld est and justif

nest Freibert Correcti Jacket 1 the Treatment of Structur | Scotlash with Especial R ference t Measur tion d Record / (as Orthop I

the rul of his

en sque of Abbott The paper represe I suce of esocious in both a ten is inches. pl er i Paris ja k on the hair. I Freiberg personal speriese 1 me is of onimi ed matting the result I tre time to the wiles on t at the photographic record the graph ecord of the deviated of the spane from the perpend cula but ha ber dra I the st retard scale of 50 cm. The thu hold that bie he pho ograph a more on using tibely ey nd hile it to es the better general impression of the figure the gt ph reco d a more t ad more with t the surgeon Torsion deformity should be mes ed b unstrume t had express the felorm

it in degrees of the rile Six ases are eport d. illustrat differen i pes of result from the Abbott method. C se I show the possibility of reversing the deformity i . If of t element ('ve il illustrates marked improvement much of high as produced by bringing bout I mbar empensation of dorsal curve and show the method t be inadequat for very high dorsal curvatures. Case III a unsuccessf I re gult in lumbo-dorsal curvat re dependent upon congenital asymmetry of the sacrum. Cases Il and I show how it is possible t produce marked over correction of the patient figur without improvement of the spinal deformity proper of correspond

ing degree Case VI demonstrates that post hitic osteosclerosis may offer insurmountable difficulty in complishing correction by this method. The thor conclusions are as follow

It is possible t secure reversal of the element of leformity in some of the cases of structural

scolious, by Abbott a method I quit in miler of case, our menor of cor rection cannot be exhausted in one jacket. It is

probabl better al at remos the original jacket t the end of all eck and then renew it. 3 Abbott a method of pplying correctl je keta

on tot tes great d ce and the correction is usually great the ha been by land by former bodtsor a The method capable of substential clabora

tion Bradford What t Da After Corrective Jacket

re Discarded T Im Chelop Sec. 9 3 M By Surg. Gymes. & Obet. Crt fct ret he beldin mind by those treat

the case of fixed spinal comes.

The best method of correction is by properly pulsed pill ter facket. Bit correction of the curv-not ong the patient and gymnastics are di treatment but not i he relied upon

aclusa ely ben relapse is threatened. Check braces are of sostanc al they present al mps g and f lay traturie such braces abould be first tod prevent shamps g of the spinal column and he assumption of ulty tiltude, and not be us or thorn compres g corrects.

to there is tendency i relaine during growth inspection of treatment may be peeded for lo g period in bray defiguring pollances should not be pulsed for an undefinit I long period. I he bonest ith himself the recon abould, I

t have the most bronk of spreyed liments, keep are rat ecords and measurements of contou flenhiht ery and rot toon (enable ham t detect relapse definit by milt not go positively

Cook A I traduction t the Symposium on Lateral Curvat re T In Orthop Soc 3. R Surg Gymec & Obst. M 1

The I mba spane is the natural center of motion ter of gr t nd center of stress of the k ma

If the humbar some be bootmathy curved t the left d the curv ex he eversed ad held cure is assured for by reversing the curve of the himbs spine the balanc of the bole body must of neces-ity be reversed, and the la of gravity and Wolff' la high frimerly orded t increase the deill now ork t correct the deformity

Force can be brought t bear either directly or indirectly on the I mbs spine. An ordinary plaster of Paris corset ith large window cut on either side and ebbing band from simple inexpensive od efficient postustus for bringing direct pressure t bear on the lumbar spine Abbott Marements or Positions of th Normal Spine and Their Relation t Lateral Curva ture T Am Order 1st 9 3, M J

By Surg Gymer & Obst

The thor tates that the movements of the spine re many and are lik those f y flexible body. Whoogh o'hild spine is more flexible the sam changes may occu in the dult t more limited degree. Passo motion is more important as the musics is schom produce curvature.

A division of the spine into segments is not as import that the relations of its parts in different positions. There are five primary motions dexion extrasion, side bending not toon and torsion.

Flexion I the child produces long curve in the greet exchange in the lumbar region. Laten son produces the least effect in the dorsal region which does not entirel lose I posterior con visit, Lateral hending a pair movement. Red to a posterior con visit and the lateral hending a pair movement. Red to a second control of the control of

grams and thous not in. These orbs, action or plus torsion may text thous factors bend in Extension piles code bend in the torsion or rotation. Extension piles not tons a without lateral deviation. Literation piles not tons to without lateral deviation. Literation piles forward in such bending piles rotation rotation and occur in the critical results of the critical results.

There are four comple movements in b it is given my easily be plated () theroo plus lateral bending plus rotation () thereo plus lateral bending plus rotation () thereo plus lateral bending plus rotation (i) treatment plus lateral bending plus rotation (a) extrement plus lateral bending plus rotation in faction plus lateral bending plus rotation. In faction plus debending plus rot complete the return plus lateral bending to the convexity. When attends is robatinated the motion is in the same direction but the force returned in produce them is my present when the rotation is in the same direction but the force returned in produce them is mn in greater. When I muon is substituted for rotation either flaxnoo or returning produce laterals rotations or lating passions are possible to combinations or lating passions are possible to combinations or lating I'll sear to produce sensition expenditure which is the contraction of the passions are possible to combinations or lating I'll sear to produce sensition approach who will be a supported to the passion are possible to combinations or lating I'll sear to produce sensition approach who will be a supported by the passion are possible to combinations or lating I'll sear to produce sensition approach who will be a supported by the passion are possible to combinations of lating and the passions are possible to combinations.

t is physiological posture which at first is assumed voluntarily but gradually becomes habitual and thus interal curvature is developed

i developed Hanous A Produce

Melsenbach A Candideration of the Correction of the Fixed Type of Lateral Correction Corporation of the Fixed Type of Lateral Correction Corporation of the Fixed Type of the Cardiac Verlage Melsen Shight Modification of Abbott M thed T Am Orley Am 9 1 May By Burg Gyaca & Obst.

The uthor says there samy problems confronting the orthopedic surgeon to-day in regard to scollosis, and much scepticism on the part of the

general pra sitioner) grard to the possibility of correction fithis of mily. Among the things t be considered are the file ing. The selection of cases t be t exited, the different methods to be employed? different cases the pathologic co ditio of the patient before permiting the relation feurostance t disease in general, the results of correction upon the other organs and functions.

The other quotes Ba kman Thorndike and others t show that large n mber f cases statuties show these f beart lungs, ad other organs cooms of g scolosus.

It is the convictio I the thor that the fi ed types whether mild or severe can be cured or improved and he has fou d that by ca eful co andersito I the patient t be orrected with a modification of the tre tm t | the severer types. nak incurred by th there is little discomf it polication of the Abbott sacket. If has 1-o found that the blood press re is not appreciably changed b the polication f the jacket and cites ar cases which show that the pressure before d ri g, and after operation remained almost constant. If also m vs three cases t illustrat the beneficial effects f vorrectio upon th general ad tion f th pa tent both each use requel di e ch ung one gorl of being over corrected ICTOR. days I cach case the general health was ms kedly Impro ed, and one the harmorlobin jumped from oft t seventy in few ecks

The the implantes the file high conclusions. The suprist ji small ha are in blood pressure whe rotary fore in fixed popular the disappear and the property for in fixed popular the disappear and the property of cardia kerona to lapprove by correction and he rares that i the secretic tases when there is great deformity and derangement of the users, treatment should be reported to the control of the property of th

Park A Report of Fourteen Cases I Spins Bifids and On of Secrococcyges! T mor B fals M J 9 3 level 417 By Sorg Gyner & Obst.

The utbor report 4 cases I when bided 2 of which were 8 very young children, the delects not over 39 years, and one case in a 3 oong ma 2 years of age. All these cases were operated within the past ten years and represent the rather convenional method of extituebing I the me with closure of the opening. In cases, very thi plat of efflued of rivory was used as I riffication over which the ilasses were united. In the other in stances more or less platic work was done upon the vertebre. Silver wire was smedt I for as deep and benefit rechalling switer Of the 1st cases, some board rechalling switer Of the 1st cases, some result a very tailed.

Paris also reports one case of congenital accrossopped tumor the mass being larger than the intant head, in fact nearly the rine of the entire trans. So large was it as a consist a very sericonstant to the constant of the control of the constant to the constant of the control of the position of the control of the control of the position of the control of the control of the third that the control of the control of the out in the but little further loss of blood, extripation being relatively care although the growth extended a than the period between the recums and the ascommittee patient deed few body after the opention.

It closure his report the author alludes to the possibility of thinking hving bone either from the same patient is not from some other or possibly some animal source. Such fragment might be haped to uto the opening in the spinal canal and retained in set by ordinary methods a the every prospect of success.

Collins and Eisberg Giant Tumors of the Comus and Cauda Equina. T is \rest. As o p. May Br Sun Gyen. & Obs.

The authors report time cases of giant tumor of the court and cased equina, operated upon by Elaberg. The tumors probably originated from the power the roots or from the court. If the code equina themselves they great very alondy causing lies symptoms munit they authored large size. Finally the tumors filled up the earths lower part of the proal count intervoluting the roots of the cast and extended upon the courts and multipose and the court of the court

The important features I th chalcal hastories ere the following (1) history. In or more year of ration () pain in the small of the back in concer later extending down the on on their the other lo er extremity (4) stiffness of the back in the lumbar region (4) porcenting stiffness and eak ness of the lo er extremities, with loss I po er of dornel fiction of the foot (3) shight distributions (

the bladder and rectum-

The import it features of the vamination ere the folio ing () rapidity of the lumbar vertebral column () weekiness and stiffness of the lower limbs (s) parilyshs of the personeal groups I muscles (4) drop-foot in or both iddes (5) beened of three and noth its prins (6) tenderness. If the or humbar spines (7) irregular and asymmetrical sensory distortances (8) Wasserims and \(\) ray regarder.

The typical findings it operation consisted it large redship brown not vascular tume within the doras not intimately connected in the latter well encapsulated bove and easily freed from the countries but closely connected with the herve words below.

The peculia features in the patients were the latpearance of bladder and rectal symptoms the small evidence of sensory dist risance in spite of the fact that the large tumors were under much pressure inthin the child. The results of the operation interference or no serious statistics by attitudes several of the patients were metch improved. It is almost impossible 1 remove the growths a thorst leaving small frequents of tumor than behind. The operations should be done in 1 o stage so set a ladow the transes it be done in 1 o stage so set a ladow the transes it becames the stage of the stage of

MALFORMATIONS AND DEFORMITIES

Kunne A Combination of Congenital Luxation of th Head of the Radius with Little Disease (Die Kombination der angeborrera Lerton des Radiuskopichens nij der Littlechen Krasi-

bek) Elicie f orthop Chr. 10 L. Ext., 18. By Zentralbi d. etc. Gynak u. Geborata d. Gresspel. Three cases are reported, where Little disease occurred simultaneously with the dislocation of the head of the radius. The following possibilities in

t be considered

The dislocation of the head of the radius may
be concentral.

The condition may have definit relation t

The history of the patient gives no evidence t support the first view. On the contrary it appears from the history examination and X-ray that the condition was not present. I birth

The literature shows clearly that all nerve diseases which came spatie and paralytic disturbances essue in boomail tratio f certain muscles. The latter do not only came contractures, but also boos daplacements and other deformities even dislocations may be brought bout in this manner.

It is true that the cases no record generally refer t the involvement of other joints, especially the hap joint. Thus, however does not prevent it uthor from believing that the above named: cases probably occurred as sequelar of Little disease. It has been suggested that these dialocations

hould be called sparsic. This is, according 1 the whore quet appropriat in fact be descarse that ill dislocation concurring in sparsit of paralytic disturbances should not be dismissed by calling them congratted, but should carried by the contract of a whether they can in any way be brought for relation the dislocation forms described above. Exams as I.

Willard The Treatment of Ital Foot. For M J o 1, 14, 437 By Serg Gyace & Oke One quarter of the deformates of the body are due to the vestmens of the ternal arch. The weight bearing portions of the foot arc the beads if the mentaturals the fifth mentaturals, cuboid and onclaid. The foot a held up position by the dilegible action of the tilballs and personel muscles. Any

weakness of the tibials or overaction of the permanals will came the foot! evert and throw the larger have of weight-bearing on the plantar functs this gradual by stretches and the normal outline disappears. Weskness of the supporting muscles and version of the foot are t be expected after prolonged weaken ing illnesses, injuries such as Pott a fractu e et and treatment of the weakened arch should be begu-before symptoms press. The main indicatingfor treatment in the early type are Strengthen the weakened muscles allow foot t tak it ormal position release arch of straig til muscles take p their full work. T do this, muscular exercises and possive motions (massage) re i the greatest impor tance The arch can be supported by proper shoe which has a traight last, stiff shu k nd low broad heel with felt pad in instep when necessary Steel ar h support re injurious unless caref fly mad by an apert, od usually cause more pain more prona tion and further weaken the muscles

ION'S L. POSTLE

Outcod The Prevention of Foot Strain Bears Mars J 9 1, chemi, 180 By Some Gysee & Obst

O-good describes sample praratus f meas ing the power of the foot muscles and sho that compariso f the relative power of the adductors and bductors will fren give w ming f potential train and pain, and disability in feet which p esent no symptoms. Fo five years the uthor and Arth r Legg independently examined various groups of rses students and others and their results were so uniform that Osmod believes that preventive treatment such as proper shoeing exercises, douch me, et based upon the muscle strength and walk i g position before ctual trouble has begu will prevent its development in nearly all cases. If calls

particular attention t the liability of painful feet among urses and t bulates the result of series of abom examinations ere made bel re symptoms developed, and the result of treatment I those he f flowed dvice given and those he did not II compares this tabl with that f 360 W flesley College students. The analysis of results as related t. Lind of shoes worn, previou occunation, ad treatment how distinct advantage routine raminations i instit tions lik schools and hospitals from standpose t of possible prophy

TOWN L. PORTE

SURGERY OF THE NERVOUS SYSTEM

Lern

Gordon Experimental Study of 1 transural Injections of Alcohol 7 in \understand to Injections of Alcohol Ī By bare Gynes & Ubst 9 3, May

The blect f this study was t determine experimentally the direct effect of kobol mot sensory or mixed noive. The sense of dogs were used three for each I the first series, the mice tion as made directly int the nerve substance after careful dissection and exposure if the nervo trunk. The supra-orbital, the f cust and the scratic nerves were then treated. The animals were kept alive nine days Each serve was then dissected up t its point forigin ad the Generica ganglio for the afra-orbital, spinal ga glion i the scutte nerve also the facual nerve in t course through the medulia were all carefully examined histolog ically. I the second series of experiments the same netves, some gangha, also medulla f facual nerv ere examined microscopically fter twenty-nine

days of life. Besides, the climical phenomena were carefully observed until the day I death Extraordinary accuracy in all experiments and

uniformity with regard t the strength of alcohol (So per cent) to the umber of drops injected (c) and t the after-care of the ounds have been observed The conclusions of the autho are as fol lows () There is difference in histological cha ges when alcohol is injected int mot sensory mixed nerve () A motor nerve is con aderably less infraenced by the intimat contact with alcohol than sensory or muzed nerve (a) Functional recovery folio in cases of injections int motor nerve. (4) I cases of sensory or mused nerves, persistent sensory trophic and motor

dust rhances follow i lectrons of alcohol. (s) I cases of motor nerves, the gross perve bundles not affected. Only the permeural connective tusqu suffers, but then condition f repair is evident i cases I long standing (b) I cases of sensory ? mixed perves, the hist logical changes are very co spicoons, not only feer recent injections (nine days) but also long after the first injections (twenty ni days) Not only the arrve bundles but lso their respective ga glia (Gasserian ad spanal) show degenerative changes (7) I therapeutic manage ment of nerve flections the above difference in th susceptibility of motor and sensory nerves must be borne in mind Otherwise irreparable damage may be don't muscles dimbs

Mislon Recognition of Members of the Somati M tor Chain of Nerve Cells by Means of F ndamental Type of Cell Structure and the Distribution of such Cells in Certain Regions of the Mammalian Brain. Antique 1 Let Q 1 11 67 By Sure_ Gynec. & Other.

The article is based the study of central nervous evaterns in the monkey I mur cut, nd man. The material studied was fixed in 95 per cent alcohol imbedded i paraffin. Serial sections were at ined per cent aqueous sol tso of toluids blue differentiated in 93 per cent akohol leared in ylol, and mounted l Canada baham.

By the term 'somatic motor cell, the a thor refera t those cells which form integral part f the efferent nervous chain to striated muscle. The analogous, sympathetic visceral motor cells concerned in the efferent ystem t the heart muscle nd smooth muscle were not at dled. J cobsohn is credited with emphasizing that most cells he exist of finith birtology toward the peripheral end of the effectent patent his toward the entral end-sit tion there he created in transition to be sensory type. Malone believes that no su hit transition occurs.

There is no gradual transition in structure be t cen the elis of the fierent nd motor hism, and there is no indication (the beginn g of motor structure in the aftere t elis. Those ells in the efferent hain hose i action consist exclusively or primarily in conducting lmp less through the chain

I cross strated muscl or bet een motor center characterised by common struct e held diff in ecoeling t the position of the lin moto series. The rells comprising the I nettonal series may be recognized aucroscopicall challenged through the arm general of the est macker chromophula, will-stance, relativel coarseers, less than the coarse-

The chara ternsic histological picture—be best seen with relat 1 lo magnification (00 200 diameters) of is found most characteristically in the central nervou—sem of those unab standing highest, the ph logenetic series.

The thor believes that the d ft ton of functional entry should be based more on localized cell groups has g riefart histological characters that out pographical relations. B ft. Brooms

MacCall in Hyperexcitability of Necres 1 Tet y Cher die Übereresbarkeit der Nen en bin Fetzon;) Mut d Gerengeb d Med Chur 9 3, 533 54

Mac U unit found by he expensions that in 1.7 yith server remain layers of the first sum. It is yith server remain layers of the first sum. This is noted to the face that they ere so before section, but I general causes III demonstrated from the green gation cell shows. In the development of tet y the same hyperward bill as the tast nerve of the opposit sade. Condition of the opposit sade to do too of blood from do suffering from tetany through the xtremity of sound dog connected with the body only by the same tarm and the bose showed that this hyperexistability is due t changes in the circulating blood. This may be due t the presence of forms likely becomes actif by deprire and of such of such constraints.

Delherm and Py The Radiotherspectic Treat ment of Sciatica. Arch Nov. Ray 9 3, xvil, 358. By Surg. Gyner, & Olst.

T elve cases are reported in which X-rays were applied therapeutically for sciatica which had restated other nethods of treatment. The reported results are good, pain urually decreasing after six or seven biances, and cures reventing in several cases after a more prolonged irriduation.

A method was used which required relatively small divided dozes. The rays were directed for the most part litt zones of the lumbar replore even lit par (inplonts) long the morre of the seme. Three bridstions ere given to a bregion, as interval of week or more despain between treatments. After the first series of three séances the patient as allowed t real for three seeks. At cach séance as allowed t real for three seeks. At cach séance a cumulative done of gill, was given on each repeated of the contract of the contr

t cm, and the focus distance 5 t 30 cm it was strongly onleaded that these cases or not of the purel assumpaths variety but that the statics was due; real compression of the immore roots 1 such cases where the gall rule current and other methods have failed radiotherapy is advised. If Maria E. Portus.

Murphy End-Result of Operation for Bracklat Paralysis. Surg of Cl. scrol John B. Marphy 413, By Surg. Gyncs, & Obst.

A ma of 3 on Normbert 3 g as lost his revol or the bullet mitraing in the right septs la wale force I manechately her the six dropped it the side and the shoulder (ell. Adultited December 7 in he as unable t must the arm to right angle with the body or I dold the forcerum on the rim. If I had lost the bully t promit and separat or errand the hand. It was also forcers and organized or entending the fingers, but could use all the flower muscles. There ere no sensory distributes. If

evident, as the result of eximmation, that the butlet had praced through this lower portion of the brachul plerus. The ulnar protion of the eighth cervical was listed, and the suprescapolar a foretionating. The musculcostaneous as partially ust of the greater portion as not. The median also partially intact. The ulnar was completely

Intest. The mosculospiral was cottlerly out of vonmission. The plerus was exposed by raising
double drasion of the clavicle and reflecting the
fin laward, and it as fround the cut nerve-endingere close proximation, and, therefore the
whole below the presentation of the neceswould take place. He approximated the cutextra control of the control of the convery carefully get into the done with fine clarge.

Vorhing the precision be done with fine clarge.

Vorhing the precision be done to be foreend to fine the convery carefully art into the convery carefully get into the precision of the clarge into
All of the zero of the conAll of the zero in suspect were normally act. H

All of his zero in suspect were normally act. H

had great atrength and powerful grip.
This case establishes the deform principle that regeneration of amone or and if take place, with full restoration of fencion. If the place, matton is done toght The divided ends more main in constant of the principle of the contract of the contract

L | Mincent

Sauvé and Tinel The Operation of Franks (Lopération de Franks) J de citr., 9 3. 1, 19. By Surg Gynec, & Obst.

The uthors began their study of the operation of Franks, fully realizing that uncross reports of it non-necessary were due to its failure in many the published of the published

The first chapter of their articl is a study of the

clinical anatomic basis of the operatio

Of the three emential elements of tabetic crises pain, vomiting and secretory disturbances, the most cmential t be removed is the element of pain In a comprehensive anatomical physiological and nathological study the authors show that the splanchnic nerve supplies to the stomach () vasomotor fibres which come from the cord and traverse the root ganglion without interruption () semory nerve fibres whose origin is in the spinal gangilon and which enter the cord through the posten root. It is in the course of the posterior root that the nathological process manifests itself Thus the irritation acts simultaneously upon the intercostal perves and the rami communicantes of the posterior roots the union of which forms the splanchnic. The pneumognetric is likewise composed of () few sensory fibres t the stoenach intermingled with those to the heart, laryng, and pharynx, and () motor fibres the reflex irritation of which produces vomiting. Thus t is evident that as the pathological process is in the posterior root it is the posterior dorsel root which must be cut or its fibres destroyed i order t do away with the pain in tabetic crises

The second chapter deals with the operation of Franke from the anatomi and experimental view points

The question whether or not the operation of Frank removes the spinal gauglion has been large-treated.

lave-treated By searching for the ganglion in the divulsed nerve, which gives uncertain results owing to technical difficulties. By vperiments on the cadaver. which are contrad ctory in results. Lenche and Cotte claim that the ganglion I removed Steard and LaBlanc that t is never even injured unless the costo-transverse ligament be cut, in which case the dura as also dangerously torn by division of the nervo. Tinel and Sauvé agree with the latter 3 The findings t topsy hich show (a) that the operation of Fra L anatomically never reaches the root and very seldom rea bes the ganglion, yet (b) it is not anatomically useless because violent division of nery trunk causes profound disturbances in the nerve cells through temperary chromatolysis, and it is reasonable that lesions of the gangiou cells produced in similar manner may cause or hasten the complete degeneration of the posterior root. The uthors believe that this

gion explains the cures effected by the operation of Franks.

Most writers claim that the operation of Franke is simple easy and not dangerous. In the chapter devoted to the technique of the operation of Franke, the authors first consider the difficulties of the operation. These are, first our insufficient knowledge of the anatomy of the porterior parts of the intercostal spaces second, lack of precision in the number of nerves which should be divulsed. Physologically from the fourth to the eleventh nerves should be divulsed, as the stomach derives its smooly from the fourth to the tenth dornal segments of the cord. But the uthors do not quite dare to recommend distulsion I the fourth on account of the danger to the cardiac and respiratory reflexes third, the difficulty in following the nerve to its point of origin. The dura is seldom torn in peac tice, danger which LeBlanc and Sicard have bserved upo the cadaver also it is possible to go to the point of origin of the nerve. The uthors technique, unlik any ther makes it unnecessary to touch the costo-transverse bruments a rood liberatio f the transverse processes and an adroit manipulation of the grooved director sufficing and it is even less necessary t out the transverse proc case as recommended by Mouriquand and Cotte fourth, the difficulty in a pidmg the pieura. It is not true as contended, that injury to the pleura in this region is not serious

The athors prefer to perform the operation at concenting except () in very cachecite patients (b) when grave paramochers is produced ()) when there exists on one side chronic pulmonary lessons which render the lung of this side functions which render the lung of this side functions of the control produced in the cont

The operation The incision is mad opposit to and three finger breaths from, the footnt t the elevants domai spino. The authors take as their landmarks. Bue drawn between the inner ends of the sphoots processes of the scapule as the level of the third docast spine of a borizontal line foor finger! breaths below the angle of the scapule as the level of the elevants of the scapule.

The second step comprises the incision of the soit parts don to the longisalmus dorsi muscle. The inferio insertions of the trapezine and the latisalmus dors are cut in the axis of the incision.

The third step is the avoidance of the posterior perforating vessels by going through the fibres. (

generating venues by going through the fibres. It the longuations dors! muscle

The fourth step lays bare the transvense processes and the levatores costarum. The separated fibres

and now nevatores constraint. The separated fibers of the longithms domin are trough retracted and the fine tendous of insertion of the Irratores contarum are grapped with touthed forceps and cut does to the transverse processes. The tendons are pulled saide and expose at once the posterior intercontal spaces. Now the external intercontal muscle and the

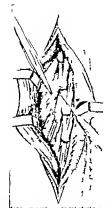


Fig. Showing method of exposing and stiting the tendous of hatertion of the invatores costantion meacle from the transverse processes

external posterior intercostal membrane alone cover the intercostal resels and nerve

The fifth step comprises the incluing of the external intercostal must le and the external posterior intercostal membrane. The external intercostal is often lacking posteriorly ad it fibres re t best so the that I may be neglected. The pleurs bes immediately beneath the fibres of the external posterior intercostal membrane which is described for the first time by Sauvé and Tinel. This membrane extends from the costo-transverse-cervical limment internal pward and outward to the angle of the rib and has length of about two and one half centimeters. External to the posterior angle of the rib the intercostal vessels and nerve lie bet cen this membrane and the intercostal namele internal t the posterior angle they be between this membrane and the pleura (Fig.) I spite of all that has been written t the contrary the authors claim that nothing is easier than t fafere the plears in this region. They expose the membrane by inserting blunt dissector (F rabeuf's) t the mid-point of the intertransverse ligament



m. raternal intercestal proscler p. pieura. The entend satercustal muncle has been completely removed

and positing it out and to the posterior angle of the rib. The resistant membrane upon which the discretor lies is the external posterior intertoxist membrane hich is exposed by cutting down spon the dissector and carrfully raising the dispa (Fig.). The sixth step is the exposure section and draf-

tion of the intercental hearter. The nerve is now excreving discountilly the i terrostal paper. It is greatly reased from the pieure, and cut. Then the promose cut end as greated with a too bed forcept, and with grooved director is expansived from the bed in the grooved director is expansived from the bed in the process of the process of the process of the protor of process and the terrost is reached by tenturing the forcepts and is toor out a shreptly as possible (Fig. 4). Fin he and his follows re-recommendation for the process of the process of the process of the cut-to-every). Due to be athorn believe that the desired result, namely chromatopts of the peoples where every the cut-to-every control of the pro-

cells to best bitained by brusque divulsion, bick has

the dded dvantage of saving t least thirty

min tes in time of operation. The sevents test describes the repair and satural of the different planes. After repeating the preceding manoreuve in each of the six interested spaces to muscular repair is easily complished (that is seven eager statures through the mass of the longification of the seven eager statures through the mass of the longification of the seven eager statures through a deal of the seven eager of the count of the seven eager of the count because. The without state for eager of the count because of the known lowers and the seven eager of the count because of the known lowers and the seven eager of the count of the seven eager of the count because of the known lowers and the seven eager of the interest and the seven eager of the interest and place the opening it entity one of this interested spaces the opening it entity.

closed by saturing the large mass of groove names over this space.

The authors make critical review of thirteen cases high they were ble to collect in the literature, including their cases. Two of these thirteen cases deed from causes as archable directly it the operation of the remaining eleven, it had

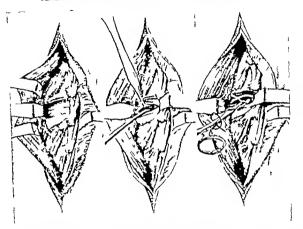


Fig. 3 Showing method of exposure of the posterior external intercortal membrans.

Fig. 4 Showing the intercostal nerv-lifted from its bad

and the grooved director following it t its point of origin.

In 3 Forceps pulled to nerve method of twisting employed as divulence indicated by rrow

immediate relapses, three had later relapses five were cured but without any indication. I the time clarged since operation one case has remained cured more than eleven months.

Comparing these results ith results of other operations for the relief of tabetic crises, the thors were able to get reliable statistics only in the opera tion i Foerster Their impressions are that th operation of Frank should have mortality of bout 7 per cent in spit of the 4 per cent of their collected cases. The reported cases of Foerster's operation give mortality of 24 per cent, which the a thora believe is too low because pening the subdural space alone gives mortality considerably higher than these figures From the point of view of efficacy the operation of Franke is incontestably inferior to that of Foerster The former may suc cead while the latter must succeed provided enough roots and gangita are removed. The same holds roots and gangins are removed. The same holds true of all other operations which track the posterior root or ganglion g the operations of Gulck [Sixud and Demanest, of Schoelber But the operation of Franks bery much seat and that of Foreiter which in turn to easier than that of 6 ket. The operation of Sixud and Demanest ranks between that [Foreiter and Gulck In facility] I reviewing advantages and disadvantages of the operation of Franks the authors cover do that it is the least efficacious of the operations for pastric crises but nevertheless can be accessful that it is the less of facility of the presence of pastric crises but nevertheless can be accessful that it is the less dangerous and much the easiest.

It should not be condemned and finds its indications.

The practical questions which arise in regard to the gastric crises it takes and which Sauvé and Tinel answer in their general conclusions are

In it necessary to operate for the gastric crises of tabes. The crises are a symptom of irritation and a sell founded bjection to permitte interference is the fact that the crises disappear sponta aroustly whe tha progress of the disease destroys the roots or the disease becomes arrested and the irritation casess. As it is impossible ty rectic twhen

these I vor bk and non-operat! realits will takplace, the authors believe that the operation is justified whe the crises re severe I equent long and leading I exchemia not after the lapse I some months show no I ndensy I spo taneous

egression. Which operation should be selected. If we accept the proposed pathogenesis of the orders as an irritation in the dorsal radicks, the operation of Franks is not rational allow by the operation as set forth in this article in rand commands are and

the extremity of the gauglion are reached former operation the operation of Guides and of Sicard and Demanatest are too dangerous as he recommended. Therefore the operation of Frankshould first be tried. If it fall or if there are restainens, Saut a and Tinel recommend sample lightles of the dorsal radicles. This procedure seems to millie, to interrupt the effect of the gains begins and it is the contract of th

DISEASES AND SURGERY OF THE SKIN AND APPENDAGES

Konnell Free Fancia Transpla tational E per Imental and Clinical I estigations (Bor de Irros Fanciatzungianation experimentalis and Illahobe Uptersechungen) Dissertation, St. Petinbory 9 1

By Zentralbi (d. ges Chil. 1 Grenageb

thor has undert ken fifty experiment on does and cats t illustrat the pathological ad an tomical hanges transplanted fascia The experiments may be grouped three series. Thirty three experiments are concerned with the substit tion of Achilles tendon defects th fascis late. De fects of the thorax wall were covered over t eltimes and bdominal wall defects five times. I am the first series the follo and conclusions can be The fascia m ff hich connects the end of the resocted Achilles tendon, I first serves very reliably for good union. Thereupon the tendon defect begins t be eplaced by young connect! there which proliferates round the transplanted fascia from all sides and supplies it with blood vessels. The surrounding connective theme grad ually acquires tendinous haracter and at the end f the second month is distinguished from the old tendon merely by its greater richness in cells and the irregular arrangement of its fibres. Macroscop ically its glistening appearance is missing and 1 is thicker than the normal these. Gradually these differences disappear. The uclei of the fascia lose their staining properties t first due t the in sufficient strition. At the end of the third eck already the umber of pole is increased simul taneously thath vascula new formations Trunsverse fascia bundles disappear after three weeks. thanks t the inactivity hile th longitudinal fibres become tendinous and t the end of the third month all difference have disappeared. The clastic fibres are always well preserved.

In a second sense (t. elve experiments) defects in the wall of it them; were covered the first transplanted fuscia. For this purpose large four-connected defects were pend ced by means of the-resection and removal of meantainne of plears and were closed in the way given. The othor who has been the first t try such experiments has tried in this sense wherever possible t give results only feer long

penoris The animals ere killed after I seven out f t elve dogs month as achieved T dogs died of shock The artificial defect measured about 6x8 cm From this series the other dra the follower conchalons Large thoracic all defects can be closed selendadly ith breely transplanted f scia lata. The transplanted I ada is surrounded on all skies by sex tissue which nourishes the transplint. The scar tiesne gradually becomes flatter ad firmer If the pieura does not become infected no dienica of fascia t long t les place. The transplant covered on its inner side ith flat plental endothers! cells Young consecure there and vewel profit erat ont the profuedal and endofastial layers, hich love their primary structure. The true last's bundles, however do not alter their structure even fuer ne year. The prollieration of the elusion fibres re bes maximum in 1 to 4 months. After year then mber returns t normal

I the third series, persioneal mosts defect of the anterior bedominal wall eccuprated likefred transplanted fascia thereby testing Kirckhart result (4 yearmonts). The utbor found that su b defect can be perfectly covered in free 1 ampla taxon of fascia. Lived in bloose cases like superficial wound infection, no budging of the dominal wall great the found, fer fix months

I the clinical pair of the ook there is a few critical describes of the right cases found in the fitterature. Free fasts a transplantation as exployed most frequently I defects of the d r. 15 times! Visioninal will defects were closed fitter times by this method and antylocid plotts of method thereter times and the control of the control times. The control times of Burgoliud sets attempted. The remainder of the cases compine plastic open times on muscle et. The author' personal national include eighteen cases, among hich are tacked to the control of the c

defect which succeeded splendidly. This method is policable t oil cases in which uture is not possible. It seems especially alumble after resecthe of tumors of the breast wall. I rectal proisose also the (secia-plastic method of Brunn is excellent method. In cryptorchism the author proposes the following procedure. The testicle is polled through ou, m. sized piece of fascia and the incision in the latter narrowed by suture. The I cal sack is fixed in the scrot m Most effective is the case of complete anlylosis of the 1 w coording t Scharlach. By the interposition of free, transplanted fascia function is restored. This method technically is much simpler that the complicated muscle interposition according t. Heliench and v. Miculica and is t be preferred for this reason. In the utbor's curbteen cases only one failure as t be recorded because of supportation of acrotal huma toma Muscle hermas t the site of extirpation of the fascia were not beeved. The author proposes free fascia transplantation as the method of hoice i crural because because of the danger of recur

Stern The Grafting of Preserved Am lott Membrane to B rued and Ulcerated Surfaces Substituting Side Grafts. J in M is 9 3 fr nrs By Surg Gynce. & Obst

The technic of frung and preserving the grafts as suggested t the the by Carrel

The f eship obtained amniotic as in part or in t entirety is immediately placed petrolatem feer being washed of all blood in normal saline sol tion and dried between layers f sterile gaure. Liquid petrolatum serves ell when specimen is t be cut many times no used p within a few ceks. The receptacles are stored on or near see as soon as possi-

ble, and maintained at temperature between minus ne and plus seven centigrade (so nd 446 F) The colo and consistency remain normal for several weeks, the microscopical appearance of the rtenes unchanged for seven t ten months.

Surf ces ar prepared as carefully as for skin grafting. A section f the graft is spread moothly care being taken t press t ll ir bubbles. The mmotic or glistening side is placed in promition to the ound. Wax i mixture of paradon beeswax, and castor oil) having been rmed to just the degree to Equify is now polied 1th policators.

A fresh policator is used for each dip t prevent contaminating and disturbing the grafts. A outer dressing of cotton and bandage is all that is necessary for protection and beorption

After tw. days, hen th dresung is removed the outer layer f the muso comes a y with the wax, leaving the inner layer closely polled t the wound

Cases of nicers, burns and scakls and traumatic denudations ere treated thus with emarkable result - best in case of traumatic den dation.

The method should commend itself if it does as a Il as skin graft for it obviates the necessity for

mesthesia and the production of secondary wound with no certal tw of the outcome for their justifica tion II. W KOSTM TEE.

Stra se Copper in th Treatment of Cutaneous T berculosis (Zur Kupferbehandlung der auszeren Tuberkulose) Deutsche med IV hasch 9.3 xxxix, i. Grenngeb. By Zentralbl. L d gea Chir

This art de advocates the continuation f the hemotherapy of lupus. After the author had seen cases f ma ked improvement in cutaneous tuber culous from the injection of copper preparations into the blood, he bega to use it locally bo with the object f getting results more quickly If believes that copper preparations pplied locally not only have caustic ction but that they exercise specific effect on the t betcle builli. If believes that in the new copper compounds, especially in new combination of legithin and copper and also in todized methylene blue have means of successfully combating mild and moderately severe cases of a berculous as an infectious disease and that this can be done unbout i jury t the individual which m not the case in the t berrull teratment. Pictures are given facveral cases cured foutaneous tuber calous. BR. WILL.

Mackey ad Remer Massive Does V ray Treat ment of Cutaneous Epithelioma. Y Y M J 9 J. MYH 633 By Sarg., Gynes & Obst.

The advantages of single massi dose over small fractional doses of \ rays in treating epithelioms ra () greater accuracy measuring the dose () texer visits t the patient t treatme t (3) less total quant ty of \ rays d (a) better success in treats g recurrences

T obtain the same effect on an epithelioma by fractional doses as by massive doses. much larger total quantity f \ rays is required so that t produce the stage I crythema singl mple dose has the fibriency of several divided doses whose combined intensity is considerably greater. At the same t me the deleterious effects on the ski and it blood veucle is far greater with the fractional doses. I se I recurrences the resultant condition after fractional methods is very resista 11 radio therapy

not no after mand TOOFE Accuracy in measuring the dosage is obtained to ray quantity by H lrineckt radiometer and for ray quality by the Benefit scale. Benefit 5 r 6 is used for most uperficial icaions with Benoist y or more for deeper growths, aided by suitable filter The radiometer and penetrameter method gives a d rect reading i quantity and quality on all types of any equipment while the milliampere mi ut method is inconstant on count of the variance

in milhampere reading with different types if inductor The pproximate dose is carefully estimated for each individual case and pplied with all the ccuracy that the measuring instruments afford.

If the est mated dose is larger than is usually re-

quired to produce moderate erythema it should be administered in more than one searce remember ing, however that any two divided doses do not produce the same total effect of a single dose equal to their sum. If after massive treatment result ing in erythems no beneficial affect is seen in one month the case abould pass to the surgeon. If improvement follow without powernt cure sec ond and even third massive dose is histliable

H LIB E POTTER Mitchell Surgical Aspects of Purpura, T Am

Stor Ast. 9 1. May By Serg Gymec, & Obet Flamorrhagic tendency deserves pjay bjace m consideration I factors for safety to surrical operations. Hamophilis jaundice and purpurs represent three types. I pathologic hamorrhage. Purpura is of greatest interest because of its many

warfations, the possibility of confusion is disperand its complications which may demand operati Henoch a purpura is the type with which are m concerned. Autopsy data do not offer compl explanation of the abdominal symptoms. I cases are reported in which the diagnosis questionable. A eview of the recent literat shows that vieceral complications may be serie and that intussusception is the most frequent a most serious lesion. There are reports of sixetlaparotomies, in cirht of hich intumuscration : demonstrated and three intusesceptions west operated. There were no deaths from explorate The operative reports give a : operation. explanation f the abdominal crises. The effici of the injections of serum has been well show Operation in the course of the discuss as shown the results, is not greatly t be feared,

MISCELLANEOUS

CLINICAL ENTITIES - TUMORS, ULCERR, ABSCESSES, ETC.

Robertson and Burnett Th J ff race of Lect thin ad Cholesterin Upon the Grewth of T mere. J Ery M o L rvs 144
By Surg Gynec & Otes.

The uthors investigated the influence ! Injections of leather and cholesteria a the rate of growth of tumors in white rate. The growth used was the Flexner Jobl g carefnoms, inoculated int the asillary region. Rata from two sources were used and t specimens of tumor were obtained for the original moculations. Injections were made direct ly int the ternor mass and were begun on the soth and oth days after inoculation I the two series. It was found that chalesterin whether suspended

in dilut alcohol or in sodium eleate sol tion, produced a marked coeleration of both the primary and the metastatic growth, and that the acceleration of the primary t mor was most marked in the premetastatic stage

Lecithin, on the other hand, when injected in the form of an queous emulsion directly into the pri mary tumor diminished the tendency t form metastases, retarded the rate of the metastatic growth when it did occu and, in some instances retarded the primary growth. The retardation was most marked in the metastatic stage.

It was also noted that simultaneous injection of m/6 trontium chlorida solution did not appreciably affect the ction of the lecithin.

LINES I CHURCKEL Flatsher and Losb Transplantation of Tumore

in Animala with Spontaneously Developed Tumers. Tr An. Ars. Pathel. & Basteriel, 1973, May By Surg., Gyace. & Obst.

The large majority of all experiments in transplantation of tumors were carried ut on normal

snimals It as apparently tacitly assumed that condition existing in normal nimels or in sales with a inoculated tumor on the one hand and soumals with spontaneous tumor on the of hand were identical. The first speriments in wh tumors were transplated into animals with spee becaus tumors was reported by Lord about elecyears ago. Loeb found at that time that pieces an adrooms of the mammary gized of a latt rould be transplanted very much more easily is a rat in which a tumo originated than in other re Later Loch and Leopold found a similar conditi to prevail in a dog having a mixed tumor of the bre in which pieces of tumor could be easily inoculat while the tumor could not be transplanted into other animals. It was especially notes orthy in both the screes of transplantations that the transplant pieces remained alive in toto in the animal hich the tumor had existed spontaneous while in ther individuals the whole transplant parce or at least its center became recrotic. Lo also reported later a few observations in mice wh seamed to point t the conclusion that mice in whi a tumor had originated spontaneously were me liable to form good soil for the growth of spont neous tumors of other mice than normal mice wit out spontaneous tumors. The authors had, he ever made only very few observations concerni this point and their conclusion is this respect w only a tentative one.

The results of their experiments carried o within the last two and one half years are sufficient definite to permit the conclusion that in mice we spontaneous tumors there is a factor present with permits tumors in general to grow better than mice in which no spontaneous tumors had develope There is, therefore, but mately connected with the development of spentaneous tumor in an azime a condition which favors tumor growth in general There is, however another conclusion to be drawn from these results. Inasmuch as the percentage of cases in which tumors grew in the same individuals in which they originated is considerably greater than the percentage of growth in other individuals with spontaneous tumors, we must assume that the great facility with which tumors grow in the individual in which they developed spontaneously is due t two factors. First, the factor which the authors mentioned namely the presence of condition favoring tumor growth in general in animals affected with a spontaneous tumo and secondly a condition not specific for tumors but applying to other tuspe as well, namely a condition which favors the growth of certain animal therees in the individual in which the tissue originated as compared with the growth of the same theses in other individuals of the same species. This latter fact is evidently due t a chemical adaptatio existing between the physical-chemical character of the body fluids and the composition of the tiesue

lack of this specific daptation between these and body fluids than the large majority of ordinary tumors, shows that it grows in mice with sponts peous tumors not cruite as well as in normal mice, especially if such an ordinary transplantable tumor is layesticated under conditions in which its viruleace has been experimentally decreased. Such material, however grows better in mice with sponta neous tumors than in mice in which one of the or dinary rapidly proliferating transplantable tumors is growing. In all probability the spoutaneous tumors call forth some immune reactions which are not present in normal mice, but they call forth immune reactions of less intensity than the rapidly growing, ordinary transplantable tumora. Further more, the fact has been established that those mechanisms which lead to an inhibition of growth in normal mice through an inoculation with sur plus of tumor or through previous or amulta neous injection with spiern times are also operative in mice with spontaneous tumors and approximately to the same extent as in pormal mice.

Investigation of the growth of transplantable

tumors, which are apparently less sensitive t the

Warthin Heredity with Reference t Carcinome as Shown by the Study of the Cases Enemined in the Pathelogical Laboratory of the Univer-sity of Michigan During 1893-1913. Ty Am. Am. Physicien, 913, May

By Surg., Gyrac. & Obst. This paper given statistical study of the records of the Pathological Laboratory of the University of Michigan during the years 803 0 3, in which period 2000 cases i neoplasm wer studied for the purposes of practical diagnosis. Of these 3600 cases, 600 were cases of carcinoma. This material, in about 90 per cent of the cases observed, was taken from the general population of the state of Michigan. The University Hospital being a state hospital and not a charity one, gives a much more representative

population than is usually found in charity hospitals of the large cities, a d the possibility of obtaining a family history is therefore in ch better than in the latter case. In about fifteen per cent of all the cases in which a family history could be obtained (1000 cases) definite (amily history of carcinoma was given. In a number of families at died, six in number in which all of the members for three generations, both cancerons and non-cancerons, were included, a most striking family susceptibility to carrinoms was shown. In addition to these car cinomatous families, the a thor presents a study of carcinomatous fraternities that is, families in which a complete family hist ry is not obtainable but in which for two or three generations of given family groups a distinct susceptibility to carcinoma is shown.

As the result if these studies, the author concludes that the study of a large umber of cases of car cinoma vields isolated but striking examples of a marked family occurrence through several general tions and a much more frequent family group or cancerous fraternity occurrence. From such histories it is hardly possible t draw any other conchusion than that a definite cancer susceptibility exists in certain families. The great frequency of association with tuberculosis might be taken as an evidence of a general weakened resistance on the part of these (amily lines and this conclusion is supported by the extinction of many of these lines through a lessened fertility

In the study of all (our neoplasm material a family succeptibility is occasionally shown in the case of angioma, lymphangioma, fib oma, neurofibroma, Ilpoma, myofibroma of terus, adenoma of breast, and adenoma of thyroid but extremely rarely in the case of mirrorna. A marked susceptibility to carcinoms exists

in the case of certain family generations and family z. This susceptibility is frequently associated

with a marked susceptibility t tuberculosis, and also with reduced fertility 3. The multiple occurrence of carcinoma in a

family generation practically always means its occurrence in a preceding generation. 4. The family tendency is usually more marked

when carcinoma occurs in both maternal and paternal lines. 5. Family susceptibility to carcinoma is shown

exticularly in the case of carcinoma of the mouth,

lip breast, stomach, intestines and uteres.

6. In family showing the occurrence of carelnoma in several generations there is tendency for the peoplasm to develop at an earlier age in the members of the youngest generations. In this case the neoplasm often shows an increased malignancy

y Because of the difficulty i obtaining complete family records the laws of inheritance of execinoma susceptibility cannot be determined accurately and it is highly desirable that investiga

tions of large (amily ecords should be made lative t the occurrence of ca cinoma sceptibility In Levin study of cancerous fraternities i co nection with the hole family history the percentage I the expectous members i et à cancerou fraternity corresponds very losel t the Mendelia per centage of members th recesure unit-characters in a hybrid generation. The same conclusion might be dra from the uthora cases in ertain in tances but it does not seem t. him that the ! to re sufficient for such conclusions. Levi does not consider this conclusion final, and also concludes that reass nee to cancer is a domina t in racter whose absence creates susceptibility t cancer While som of the thor cases show family kistory suggesting this, others ould indicat a progressis degenerative inheritance the running-out (a

family line through the gradual development of

i ferror stock particularly as far a the resonance t

tuberculosis and cancer's concerned Il as Williams noted the family Levie, as tendency to specific localization of the cancer particular larly the overes to the female members. The is a il shown in the a thor family histories and m some of the cancerou fraternities. Levan concludes that the most import a result I has investigation is the fact that it show the presence fan inherited resistanc t cancer growth. Warthin ould put t n hast the opposite ay and say that his obserations are important in that they abow in certain families inherited susceptibility i exocer If the majority of the huma race do not show this susceptibility resistance t exocer is a normal trait of the species. An increased susceptibility becomes, therefore, the abnormal baracter of importance nd investigations should be carried along the line of att mpting t determine just what lies back of this susceptibility

Lesin The Mechanism f Metastasi Formation
i Gancier T to its Palk & Bacterial 9 3.
M y By burg Gynec & Obst

The a thor describes series of experiments like a foociable serious and exerctions of the hit at in hich the formation of recturation was to be a footing to be a footing to be a footing to the salies of the salie

In accord series of experiment the subcut commonation as followed by simultaneous anocalitions; to organe lever and prisent. The result were identical in the first series fusament as the inoculations; to the organistated when the subcutaneous inoculations fulled. But on the other hand, hen the subcutaneous inoculation was excreasful them in creats under of animals the

subsequent inoculation w successful in both organs hile i other saimal it succeeded only in one organ and failed in the others.

In the third series of periments he subcutaneous tumous or removed sortically and the the same tumous we inocultant out one of two orgs: I is three experime to ben the removal of the subcuta coust more radical there were the isoso altation into the owners fall. I have the uncutaneous of more recurred, then the forestate and the organization of the country of the three their country of the country of the three the timos green whiter in both or only is one organ.

The other concludes from the res in set his greamental study that the prox hed measured are trained depend upon the same conditions. The groups of the original primary tensor and that they had depend upon an interaction better the enthrance of the cancer cells on one hand and the conduction of the cancer cells on one hand and the conduction of general or local enceptibility or resistance against tensor prox to the origination of the similar.

Hinde and Veet. Studies on th. Effect of Amptic Surgical Times Necrosis. In Researchs on the Causes of Death Irem Busine (studen for the Witten der soptember Chiespeche Greekserials and Versules for the Tracket do Internangement. Zink of a pr. op Med. 1845.1. 50. By Lennahl I d. gr., Cip. Med. 1845.1.

This en complet work offers new and interest ang sempoints on the causes of death from barns and on the causes of death after unflateral peptite. toray On the basis of numerous and varied exper ments the authors concluded that burned nature throw may ct III foreign trerge I favor of the ten that sufficiently large burn of the third degree may put the organism lot a kind of permanent sendification is the observation that experimental azimals may be kept abve by exching the burned Ther is also the possibility of affecting animals he have not received barn by the transplant tion of burned flaps in just the same way as if they themselves had recei ed severe burn. Heyde and Vogt also succeeded in demonstrating in the urine of these transplantation animals the same t xic principle that occurs in the urine of the burned animals. I reference t this t sic principle the results showed that a substance ca be secured from the rune of burned and even of permal human beings high produces extremely haracteristic phenomna nd fleet nimals with perfectly desails disease-complex, consisting of motor irritability bich are added the

cramps, high grade dyponent, I. bith are added the B-Lucus reprotons of anythicatic shock, such as ha king spating, thening and loss of time and ferre. Section of these animals in the acut tage above hyperrents of the gastro-dimensional hormond occupied the situation of the probarrows of course of the state of the situation of hormond occupied the situation of Heyde and Logison occupied in the situation of the situation of the first decision in a goodful preparation. It also chlei results of their researches the withous designate the demonstration of well-defined chemical body of loss constitution which can provoke the symptoms occurring in naphylactic shock of after the action of the tork untuary principal. I burns. They also demonstrated that the t vicity I such substain as diminishes the high it is constituted. Thus either

interest could miss not a turic action could be obinated from the pure albumen. As a practical result of their researches the authors recommend wherever possible the existion of the burned area in burns of the third degree the protection of the body from loss of water from the sound the treatment of the patient with CaCls solution and family troptic in large doses. By applying the results of their animal experiments on the causes of death after unblated in the contract of the contract of the contract of the larget and by off concluded by analogy that the turnels come occurring after kidney operations for a perferolar pulsateral disease was frequently not of

Heyde and logt concluded by analogy that the unamic come occurring after kidney operations for a previously unllateral disease was frequently not of reflex, but of toxic nature — Leve-araoura Bloodgood Th. Diagnosis and Treatment of Border Line Pathological Lesions. T. 4 at

Swg Ata, M 9 9 8 P8 Swg Gync. & Obsc.

By border-line pathological leasons Bloodgood
means those in heh it is difficult, clusically or
from the gross presurance, from the frozen micro
scopic section t come to a definite conclusion as to

whether lesson is benign or malignant.

The earlier after the first vemptom patients present themselves for treatment the greater will be the uniber (these cases in hich the diagnoss will

present difficulties. In this stage the prognosis after proper treatment is best.

It is the author county that there is sufficient

experience at hand at the present time t allow one to formulat definite conclusions as t the proper method f dugnous and treatment in this stage in which the result aboud he the best

Incomplet removal of any maligna t disease in its earliest stage gives much orse results than complet removal in later stage. This fact must be

l ys borne in mind.

Incomplet emoval of distinctly benign leason it is the exception if the angioma, is all ays followed by the ref imation. If the time from the residues left behind and the chances of malignant bangs is these residues are greater than in the undisturbed benign lesson. This fact should like be kept in mind.

These border-line pathological lessons, from the t ndpoint f diagrosss and treatment ca he

di sded int three great groups

C UP I this instance the complete excision of the palsable nordisc can be complained without danger and thout mutilation so that after its removal it makes little difference what the microscope above—the proper operation has been done.

G OUP Here also the complet excision of the nodule can be accomplished without danger of mutilatio but there is possibility that the lesio

may be a carcinoma of a type in which experience has demonstrated the eighboring lymphatics abould also be radically extirpated.

Group 1. It his series the diagnosis of maligmancy would indicat more radical operation with mutulatio and in some instances increased dangers from the operation while if the lesion were still benge a cure could be accomplished with less or a mutulation and less dance.

From the author' investigations be is confident that there is sufficient evidence t indicate t the surgeo the proper operation in each group with

best results for the patient

to the first place the surgeon must have the early variable knowledge of the different pathological processes which may occur in definite localities. H must be familiar with the methods of the disgone of the less in this special region and the nature and extent of the operator which promises the best results.

The diagnoss as to the proper treatment rests pon first a carried of 4 fail the vallable listed evidence. In some cases this is sufficient t indicate the proper treatment without a gross or microscopic investigation. The thor thinks this is true for palpable masses in the stomach and colon. The resection of such masses without an investigation of their gross of microscopic pathology by cutting int them yields the best results with the least multilation and danger. If the pathological examination after their removal shown benign lesion, the patient is projected from the later development for cancer if on the other hand it should prove to be malignant the changes of core are been of core of the control of the control of the change of core are been of the change of the change of core are been of the change of the change of core are been of the change of the change of core are been of the change of

As examples of Group may be mentioned benign pigmented moles, warts, small subepidermal nodules, and subcutaneous, more or less encapsulated tumous.

In the second group may be mentioned leafe on the lower lip lier the lesion may be radically excised with a V-shaped piece without danger o m tilation the ound may be closed. Then a frozen section is made and if it proves t he car cinoma of the spinocellular type the gra da under the few should be completely removed through a repurat locino This operatio in tw stages and without continuity dissection has been demonstrated t fulfill all the requirements. With n early lexion on the tongue the method is entirely different, because for the malignant nodule or ulcer the local operatio must be more viend a I case of this kind under general or local angesthesia, the palpable ares is excised th the cautery and immediat ly studied under the microscope in frozen sectio If the section show carcinoms, then the more

radical operation must be proceeded with a conce to an example of Group 3. Immy me the breast may be used—one in which clinical disposals is impossible. The surgeon cut does upon immy. In the majority of cases the differential disposals between beauty in displaying the best indicated by the gross findings. I many instances the frames see to is more difficult to interpret than the gross pathological picture. In Isw instances the frozen section is helpful, for example, between an intra canalicular myzoma and medullary carcinoma.

The next imports a question to answer is, what shall surgeo do when in doubt after he has exhamsted chnical, and gross and microscopic pathological investigation? It is the thor' opinion that we have sufficient evidence t answer this question. It rests upon the knowledge of the frequency of malie nent discuss in the different regions and the results f radical treatment. In the breast, the complete operation for cancer should all yabe performed f any lesso i woman er twenty five unless the benignity of the lesso is established. The complete operation should follow immediately upo the explorat ry notation. This conclusion is based upon the fact that the m tilation of the complete opera tio is but slight, the additional danger is little if any while the probabilities of cure when the malte nant t mo is subjected to complete operatio in this doubtful stage is eighty per cent more on the other hand when the operation is done in two stages the hances of cure are reduced to almost nothing.

In hone lesions the mutilatio of amputatio is so great and the chances of cure of any deshtid lesion (should up prove melignant) are so slight that the most conservative peration should always be chosen. This is also true for doubtful lesions in the nateopharym and antrum. the alweolar horder for

the f w, and in the body of the lower law. Bloodgood feels condent that if surgeons will carefully laweright these lesions clinically accurate the proposed power and look to the freuent sections and keeps a check on their results up 1 data, they will soon be in position to meet the requirements of the disground of these border-likes pathologic lesions, intermot as immediate treatment based lesions, intermot as immediate treatment based lesions, intermot as interested treatment based lesions, intermot as interested to be a lesion prough the patient the best opportunity of a cure with the lesion in flations and danger.

KERA, VACCINES, AND PERMENTS

Leschk Contribution t the Serum Diagnosis of Tomors (Beirnge sur semioglacium Geschweist dagnosis) Beir ille d I jatossirunki

Immunistrioreck., 9 3 L 271.
By Zantralbi, f d gra. Gynak u. Gebertsh a. d Grezzech.

The contribution consists of report on extensive experiments it demonstrate complement fauthon constituents in the serious of cancer patients. Weahings of cancer cell anniholas, lactic add polutoca, methylaloshol extracts and antiferrain solutions of cardromatocs these automato of sean and rate, patients of man and rate, patients of man and rate, patients of man and rate as well as aplean and interview or cell as antique. Of starty-one tumor case, in only art did the sean girthy-one tumor case, in only art did the sean girthy-one tumor case, which have account to the season of the se

results were obtained with the antiformin solutions 88 6 per cent positive reactions in tumor patients. and only 7.6 per cent in those sick with other diseases. Of the latter group 78.6 per cent gave positive Wassermann tests. The reactions are dependent upon the lipoids and it is question of reaction between antilipoid substances and the lipoids of the antigen. Further tests with the cancer cell reactions of Freund and Kaminer resulted in positive reactions in \$4.1 per cent of tumor ra tients (series of fourteen cases) 45 per cent of pa tients nek. Ith other diseases (twenty-one cases) and in per cent normal individuals (cirbt cases) The results are not uniformly convincing, but this should not excl de the method since with refinement of the technique it may produce results of practical value. TON GRATE.

Well Nature of Anaphylaxis and Relations between Anaphylaxis and Imm. nity J Mel. Research, 9 3, xxvii, 407

By Surg., Gymes, & Ohst.

In spite of the striking difference between the manifestations of anaphylasis and of framunity there are many f ets which indicate that they are closely related phenomena. Thus, a guines-pig, by virtue of single injection of an alien proteid. becomes hypersensitive towards that proted, but, by frequent repetition of the same, becomes immune thereto. An immunized guines pig, on the other hand, possesses a serum which, when injected even in minute amounts into normal guines-pig, readen th latter highly bypersensitive to the specific arti-gen in question. The athor discusses the two important theories in which ttempt has been made to unity the phenomena of anaphylasis and of immunity and to explain them upon a single bests. The first of these maintains that the anaphylactic reaction is intracellular the second, which has now yesy largely displaced the former in the literature. maintains that the reaction is entirely humoral. The difference between these two concrutions is, as Well states, fundamental, and th determination of the correct view is of first importance for the whole subject of immunity. He then considers each of these theories briefly namely the cellular and the kamoral

It therefore second important to the author to verify experimentally the conception that the horobation period eccessarily accompanies passive sufficiently. An experiment was therefore planned is such manner that series of animals rectived a wide range of combinations of these two factors—antigen and antibody being given simultaneously—in another series the same combinations were experiently by a time interval. In the former case anaphylatic failed to supervise in the former case anaphylatic failed to supervise in the former case anaphylatic failed to supervise in the former case of the control of t

the theory herein supported their body cells contain sessile receptors, or anchored antibodies, in sufficient number t produce an anaphylactic reaction, but are trotected by the free antibodies of the serum.

Summary of experiments If has been impossible to produce anaphylactic abook in guines apigs by injecting antigen and antibody simultaneously. For semislication to occur an interval of time must clause bet een these two injections.

5 N qualitative changes have been aboun to take place in the introduced immune bodies during this interval.

this interval.

3 Quantitatively, it has been shown that there is a marked dimin tion in the circulating antibodies in the blood during this interval.

4 It has been shown that, in spite of the disappearance of the antibodies from the blood, they persist in the body as is shown by the persistence of the induced ananytiscite state.

5 By previously saturating the guines-pig with normal rabbit serum. It has been possible to prevent sensitiration by means of immune rabbat serum.

6 Guinea-pigs that had been either actively or passively sensitized were protected against ana phylactic shock by introducing int their blood larre amounts of immune body

7 Guines pips that had been immunized in the popular acceptation of that term, by the frequently repeated injection I satigen, ere shown to be potentially anaphylactic

CONCLUEIOX

Anaphylazis is due to the reaction between specific antibodies present in the cells and the introduced antigen.

In passiv sensitization, the body cells absorb the introduced antibodies from the blood, and the animal is thus made anaphylactic

The function of immune bothes present in the serum is to neutation the introduced antigen, and

so to protect the body cells

The anaphylactic animal regularly contains in his circulation an insufficient quantity of antibodies to protect his body cells

The immunited animal is potentially anaphylac tic. His body cells possess anchored immune bodies, but are protected by those in circulation

Exactly the same antibodies are present in anaphylans as in immusity. In the former they predominate in the cells in the latter in the serum.

Choose F. Berrar.

Robinson and Auer Cardiac Disturbances in the Dog During Anaphylaris. T Act. Am Physidest, 9 1, May By Surg., Gyast. & Obst.

Dops sensitized by the subcutaneous injection of borns serum were examined at intervals (27-6 days) with the electrocardiograph. The animals were lept under light ether narroas by intratraches insufficient, the blood pressure read by means of a mercury manemeter connected with the carotic artery and the electrical variation of the heart jed artery and the electrical variation of the heart jed

off from the right front and left hind leg. The toxic injection of home serum was 10 cc. and was always injected into | gular cannula.

Twive dogs were exed, and of these six gave outspoken changes in the electrocardiogram. Four of these showed a qualitative identity in the changes recorded. The R wave gradually diminished while the S and T waves increased greatly in size, the P R interval was increased in floor cases. In one of these partial heart block of varying degree develted and the state of the state of the state of the foregreen interval.

In the fifth dog partial heart block was obtained again, but this time—ithout any such striking change in the general form of the complexes as have

been described.

The location of the source f these disturbances is probably peripheral, in the heart itself because the changes were also obtained after section of the

wagl in the neck. The drop in blood pressure which is so char acteratic of anaphylatin in the dog (Bigdl and Rama) cannot be considered the cause of the cardiac disturbances because unaber of the anaphylatin blood pressure without any charge practically in the form of the completes. Moreover when the blood pressure was undeedly lowered by any startle solding intitle only occur on the planchast nerves, the described practical practically in the completes. The condition of the planchast nerves, the described of the planchast nerves the planchast

After the heart recovered from these anaphylactic changes the reinjectio of the same dose of horse serum caused no change in the character of heart best (anti-anaphylaris)

The results demonstrat clearly that the heart f dogs may show profound temporary pathological alterations due to serum anaphylaxis. These results may possibly aid in explaining certain cardiac

BLOOD

disturbances in the human subject.

Bond The Mucous Channels and the Blood Stream as Alternative Routes of Infection. Brit M J 9 3.4, 645 By Surg Gyner, & Obst.

The article takes up the question as to whether the organisms which bring about infective diseases of the liver kidney gall-bladder the urinary blad der mammary sallvary glands, etc. reach their respective structures through the blood stream or by the mucous channels of these structures communicating with the body surface. Aside from the blood and lymph, three ways are open for a disease organism t gain entrance to a secreting gland (1) The organism may be motile () it may be passively transported by muscular or peristattic action (1) it may be spread over the surface of the mucous membrane by growth, as a diphtheria membrane. Bond says he has previously demonstrated that particles of indigo can be carried along mucous canals and gland ducts i direction opposite to that taken by the normal secretio. For this, certain conditions must be fulfilled. () There must be reversed mucous current along the channel () there must be some statis of the normal secretion or excretion in the duct or (3) a fautious communication must crist at the providual end of the canal bylikch the contents can reach the surface of the body without passing down the doct. Indigo grain

ules flow from oscal fistula within 4 or 45 hours after introduction int the rectum. The question of stasts in the small intestin and d odenal ulceration is taken up. The author in

chies t the view that the organisms causing this keration reach their site by direct route of the

indections the gall bladder and blany channels are also omassiered and here again the aphor incident i direct infection from the intesthes rather than hematogenous, particularly in the acut infections of the gall bladder. He acknowledges as probable that the hasteria may after their passage probable that the hasteria may after their passage probable that the hasteria may after their passage makes it galles one, but their virtulence must be greatly reduced. On the other hand, the direct entrance from the diocenam of bacteria int the dust of the path-bladder cookid easily cause cut appear bolic-partitis. When there is a cutyly infected by the blood channel, the liver is a cutyly infected by the blood channel, that the gall-bladder is affected it the same time. Acut infections of the gall-bladder prescript occur.

without any evidence of infection in the liver Typhold carriers are usually (emales and the breeding ground of the bacilli has been shown by Lentz and Forster t be the gall-bladder Bood say the clearing up of t bacteriologic points would greatly belp us in the questions whether typhose bacilli in an active and virulent stat are present in the vomitus whether typhoid bucill from the urine of typhoid patients which have presumably been xcreted by the renal epathelium after passage through the blood tream are as virulent as the bucilli which are present in the stook of these people Bond save that too little emphasis has been placed on the influence of m cus on the growth of microorganisms and the part played by the mucus in the protectio of the epithelial cells. Pure blie injected into the pancreatic dec produces scute pancreatitis but when this bile is muxed with mucus, pancreatitis does t ensoe (Onle) Bond says that probably different kinds f mucus—that is, mucus secreted by different kinds of epithelium have different organisms From comparative and tomical viewpoint he points out the t Linds of sallyary secretio the woodpecker has one viscad t cause the insects t stick t the bird tongue and the other an ordinary non-viscid saliva t those insects do the bird throat.

The author considers the genito-urlnary tract nd mentions the frequency with which organisms are carried up from the vagina t the finhifated extremities of the t bes. Indepo particles re also carried up in this w y in less than forty-eight hours. Cases f epidicipmitis are more easily explained by the transf rence along the vas deferens than by the blood stream. Genococci in the blood would be very apt t set up for t conditions but the latter are rare compared t the former Barnard and Lenhartz emphasized the urinary tract as possible rout for bacteria t the pelvis of the Lidney C. Bo points out that coli cystitus is mor common than B coli pwelltra in children. Urinary stasia provides good condition for a reversed current in the tract and so infection by this route. Bond thinks that when bacilli coll reach the pelvis of the Lidney by the ascending minary tract it produces ymptoms and effects which differ from those produced by the same organisms when it reaches the kidney by the blood tream. He suggests that these differences depend on the fact that the organism is undergoing daptation to a muchs od urinary environment in the one case and blood lymphatic stream environment in the other Again, in considering infections of the mammary gland he thinks the bacteria are mosally introduced by ay of the nipple and ascend the ducts

M 5 II passov.

Commina Lankovitic Inclusions of Dable J

Med. Removal, 9 3, 2212, 579

By Surg. Gymc. & Obst.

Different acceptible work has been carried out in the envestigation concerning the etiology of scarlet fever Examinations of the lymph nodes, pharynx, skin, and blood have been made and from time to time new etiological factor has been suggested. Streptomed may play some part in the production of the disease. The most recent suggestion has been offered by Doble he upon examining the blood smears of thirty cases found within the cytoplases of the neutrophilic polymeters multiform bodies taining somewhat less darkly than the These ere found in large percentage of cases, blch were polyqueleurs in all except t There has been al examined lat in the disease ready some confirmatory ork by other authors namely Arctachmer of Stramburg who examined thirty scarlet fever cases and all showed inclusions. In one h found them day prior to the cruption, but the largest numbers were found during the first four days of th eruption.

Needl and William, using the Misson and Germa striat, found I claudes in Intry-fere of fifty-one scarlet I yet cases, which hid been ill longer than eight days. Koliner examined 6 cases of scarlet fever and confirmed the work of hip preferences. H also in diphthems, septle, regulation, empyrous and poseumonial reported possitive holders empyrous and poseumonial reported possitive holders empyrous and poseumonial reported possitive holders empty and the postitive. In numerous other mortial precesses and in normal people he fidled to find inclusions. H considers that they are of day-nosite value. Some uthors report that the examination of the blood of series of normal children

show in many of them the presence of the foclusions When a februle millio intervened the inclusions materially increased in umbers. They consider that these are not pathogomic of disease certainly not of scarlet fever.

The thor records his personal observations which were briefly as follo a 1 55 caminations of of februle and a state of the seas. Formal and the seas to see all the seas to see all the seas to seas the seas the seas to see a seas to see a seas to see a seas to seas to the seas to seas t

The results of his in resuption above that the coulded include holder or to be found in practically all belie diseases and that they in some cases per ear in decreasing umbers of int to viscence in progenic coorditions (chronic) of affertile that acter 1 severe injuries though either distributions and in some normal individuals. They are possible that the could be acted to the control of the c

GEORGE E BRILL

Cabot The Lymphocytosis of Infection (# J. N. 9.3 et 335 By Surg Gynec & Obst.

The majorit of infectious diseases are coom panied during the cut stages by polymides echocy tools but occasionally infections above a lymphocrtous instead; the most striking listance of t being shown in whooping cough, when it is to of disposits importance. The group of cases here reported re such as would ordinarily be associated with polymidear lenkocytosis and appear to be connected their in some ones in htterprotocence infection and their previoual interest it clinicums could be a supposed to be connected.

Case Wound infection t topsy th hymphanizitis and denites lymphocytosis con-

tained fever with recovery

The total number of lenkocytes was never hove so,000, mostly of smaller types w th on other blood changes. Recovery was alow but complet

Case Boals perastent lymphocytosis recovery. The disease was f bout eight weeks duration, the total umber of white cells varied from 3,400 t 5,000 the differential our is showing polyundears from 14 per cent the light the lymphocytes were from 70 per cent while cent.

Case 3 Occurred during an epidemic of streptococcus form throat, the patient, gift of so years, in the course of the disease developed marked lymphadenuts of the neck, grouns, sxille and submental region later she dev loped a cough with slightly blood-streaked spatt m lost eight doveloped good deal of dispettive distartshace ith

sweats. Physical examination of the cheat showed an abnormally dull pertusion onto ver both apices especially the right the glands aboved no tendency to break do n. The leukocytes, upo the first examination were good polymodent: 8 per cent and implicatively per cent consiophille per cent a cel, later she was much better the blood aboving R. B. C. 500 oco W. B. G. 5,000 of which 50 per cent we polymodens and 6 per cent fymphocytes coshophille per cent.

Case 4 was man who whill in barber a chair bad severe track of vertico f short d ration. The patient had had a cold, short while before erk later be developed wollen painful glands in the neck nd as for the ext ten days confined t has bed with fever and night awents. Frequent blood examinations showed a leukocytosis f from t 5 500 polynuclears ranging from 50 t 60 per ent farge lymphocytes from 4 t 67 per cent small lymphocytes from 8 t 4 per cent with eosinophiles as high as per cent. In this case the differential diagnosis lay between streptococcic adenites, tuber cular denites and lymphatic leukemia. I the majority of cases of lymphatic leuk mis the leu kors team ver oo per cent and show broken-dow forms

BUNNARY

Wound sepasa bolls, and idespread atreptococcu denites of toosillar over may be crompanied by lymphocytosis so prono need as t suggest lymphatic leukems

No reaso is known f this ubstitution of lymphocytosis for the usual polymphocytosis funfectio

3 The distinctio between such a lymphocytosis (accomps ying deniter) and leakenia, depends upon the recognitio f an infectious origin t the adenites upon the lesser degree of lymphocytosis i the infectious type and upon the course of the disease II A Porrs

Byford Amerika as an Operative Risk. T 4ss. Gress Sec 9 3, May By Surg Gyner & Obst.

The author divides namia into two classes that with compensation and that without compensation

Anemia with compensation includes those cases that have equired the resisting powers fa normal individual. The hemoglobin percentage may be quit low below fifty but the crythrocyte count is easily bove account.

The characteristics re () the samemia has lasted long enough f r an adjustment of the functions to the anamic state () the patient h able to perf mit the duties f a moderately active file with comfort () the muterial development is good (4) there is present to a good and the pulse. I commit the blood pressure is good and the pulse I formula cluster responds and the result of the same is a commit responds and the pulse. I commit responds and the pulse I formula this perfect is always to estimate the case an anemic habit has been

acquired.

They take anesthetics well, stand major pera

tions will unless there is great loss of blood and recover promptly from at tex of great depression. Anaemia without compressation is found in those patient be are orable to endure britt work, have poor muccula development, are der weight and uranily have a low blood pressure and rapid poles.

Several varieties are mentioned those with chronic series, those bediciden by functional disonds those subject t continuous depressing infigures versork, those of recent occurrence and rapid upervision those of the early sagart of of co-valves one from serious attacks of disease and those onnected life serious hronic or progressive locarible drive ser-

In estimating patient's resisting powers, tentus should be given to the uniber and har acter (the expliner) is as well as the harmoglobing percentage if general yit may be at that the compensated axes stand operation better that the thood pictures would indicat the blood pictures would indicat the the thought pictures would indicat the like the uncompensated cases do not stand them well as it only dozen.

Collen Operation on Patient with Itemseglobin of 40 Per Cent or Loss, T. Am Gyace i 9 3 M y By Surg Copies & Obst

C lie examined the eximmit Cynecological Department fithe J has Hopkin Hospital from 85q t q and found bout ex which the humoglobin was 4 per cent or below

Of the nations that ecovered tenne my mat were requireble for this decreased harmorlobia in ses and hyperplana f the endoesetnum forty t ty three cases. If hyperplan of the cado m cons membrane that ha metrum be means an intact surface conthelium occasionally lith slight polypoid outgrowths, ery small glands in places nd xircula gl large ones m others I dortlon, the stroms of the mucous is very dense and contata in some in t nees large unite of nelest feures. The cross in the strooms of the inucous re often dilated and frequently contain thrombs pe lers thes definit dresse in itself. It estably or rain wome of the hild by ring period

Il no ters this definit disease in itself It emuly on a in wome of the hill be ring period but has in few inst nees been found in young girl. It is temporard ontrolled by curett ge. I man instances the end it is necessary to speavaginal by terectomy before relief takes.

Sepanous celled accusoms of the cervix was responsible for the lo hamoglobia for eighteen cases, pelva inflammatio in thireen cases retuined placent in thirteen cases, it bil pregnassy in th teen of the sancestal leaves, adecomposing of the uterus seven cases and chono epithelioma in to cases.

Among other causes of the low harmoglobin, be mentions hemorrhoids, general pe toocal carcisous, denocarcinoms of the uterus, prolapsed rect in 40 CRICE Det ren 4 and 36% Inclusive 3 CRICE Det ren 35 and 17% inclusive 30 CRICE Det ren 3 and 16% Inclusive 30 CRICE Detween 15 and 16% Inclusive 4 CRICE Delow 200"

Calle ga the results of operations on large number of case where the harmotolds as below 20%. The operations performed were curretage argunal removal of submetous myoustus, supportory hiparactomy removal of one or both preadages, and by it retiom varigatal addominal. He then gave in drival the bit i ness of patients with gach low harmogloid, that operation could not be under

low harmoglobs that operation could not be under tak patie to d ing in the hospital. Thaily he taported a series of cases with low harmoglobs where the patient due after operation. His deductions or as a fallow.

From the foregoing it is clearly evident that as mile patient the relatively lo harmorphin stand period of the other cardiaon of the cervis or body of the others exists, however the dancers are materiall increased.

I those cases where the bleeding is limited entirely t the menurual period it is I to defer eperation til few days before the next period thus raiss g the percentage f hamoglobil to the maximum

Hyperplana I the codonatrina I a defail durant. The bleeding med by thi and tion oft leads. I low harmoriobin inder which can be temporaril. Belief by curetting. Sometimes after 3 curettings in the corpe of yet the according flow cases. I there cases it is necessary to remove the body of the uterus.

I cannot increase to trought post the members of this source is necreased of the berosing thor coughly (miliar with the technique of translation. This procedure as impulsed by Berndein can be readily employed by any improve and shootly not que more than 10 miliar to 1 km² and bootly not pure more than 10 miliar to 1 km² and bootly not pure more than 10 miliar to 1 km² and bootly not pure more than 10 miliar to 1 km² and the miliar to 10 milia

tandvaschility of empleying an belt the mildert catharia, after operation on such patients. It recently heard of patient who not lithiateding harmoglobin below 20° cathered severe babonnial operation. A day t after and she was given caloned and salts and promptly died, The after resident of these cares returns the

The aft treatment of these cases requires the greatest care coupled ath the wordance of anything that all the least mea ure dum tab the patient's attempth

Schenck, Thromboels and Embelian Following Operation and Childbirth T Am. Grave 1 9 J M) B) Sorg Gyace, & Obst.

The a ther based this paper on previous study of forty-eight cases, supplemented by nine personal

I 15 cases where patients recovered there were

cases, four of which followed confinement and five operations.

Thrombosis | the pelvic veins is common and often unrecognized. It affected the veins of the leg 18 times among 06,000 batetrical cases collected from literature and 506 times after 40 161 operations, giving percentages of 0.04 and 13 respectively. There were 00 instances after 3204 myoms opera tions or 3.0 per cent

The etiology is difficult t prove An analysis of many facts seems t show that injury t the endothehal lining of the veins and slowing of the blood stream are important predisposing causes, but there must be some other fact and this Schenck believes to be the harmagglutines set free by harmolytic

hacteris. His argument is as follows Thrombi are formed by the agglutination of plate ts and red blood corpuscies. The most frequent cause of agiutination is the action of harmolytic bacteria. This action bears no relationship to the virulence as regards sepsis. Such bacteria may frequently be present causing no other symptoms

of their presence. Hence we have the picture of

is reviewed.

an eacytic thrombosis. There are no reliable premonit ry symptoms. Especial stress is laid po the meaning of slight or severe chest pains during the convalencence Prophylaxis begins before is kept in mind during. and receives particular attention after operation dvocates systematic exercises while The autho

the nationt is in bed. Sixty five per ent of the effected patients never

fully recover. If complete restoration is to follow it will come in the first year The status of the Trendelenburg operation for extraction of an embolus from the pulmonary artery

BLOOD AND LYMPH VESSELS

V ushan Two Cases of Ansurism Treated by the Mata M thod. T Am Verrel Ass 9 1 May By Surg Gyner, & Obst.

Vaughan agrees with the statement that M ta method of treating ancurisms works the greatest improvement in the treatment of such conditions since the days of John Hunter He reports two cases

It became necessary t change a con-Case templated reconstructive aneurismorrhanhy int one of the obliterative kind combined with an Anel heation on account of the impossibility of controlling the hemorrhage in the sac. The patient was f mer soldier white twenty-nine years old, and insane The ancurism was operated on bout one month after its discovery. At that time swelling three inches long and ne and one half inches in width was noticed in the left groin, the brisk and expansile pulsation. The vessels were exposed by an incisio extending along the femoral artery apward across Poupart ligament then out ard along the outer side of the inguinal canal and stripping up the peritoneum until the external flac

was exposed as high as the bifurcation of the common files. The aneurism was about two fuches long, irregularly fusiform in shape and extended above and below Poupart' Harment. The filac femoral vein was closely adherent to the inner side. The artery was clasped above and below with rubher nadded forcers. This stopped pulsation but on opening the sac, red blood flowed out in a steady stream. Attempts were made t control this flow by pressure beneath and to the inner and onter aides. thinking it might come from a collateral branch but without success. So the walls of the sa were surfaced together and then turned in by a second row of catent sutures, and the external illac artery was Brated about #14 inches above. N pulsation in the arteries of the foot t the end f the operation and none was felt until fifteen days later Good recovery Death three months later from heart disease. The antopsy showed the sac filled with tough clot, also the external live artery up to the origin of the internal fliac. A second ancurism was found on the superior mesenteric artery succulated. about 36 Inches in diameter and filled with clot.

Poplited angurum f right aid structive operation. The patient was a negro male, right knee for about one year. An oval, pulsating swelling about the size of ben egg was seen in the poplites space. On opening the vessels by incision, an irregular oblight sac was found and at its lower end separated by a constriction. A second sac was seen about half the size of the first but longer and gradually diminishing in size to the normal caliber of the artery. The artery was controlled by means of rubber bands around it, clamped by harmostata, the sacs were incised the clots turned out and the walls sutured with fine catgut, turning in successive layers of the sacs until they were obliterated and the lumen of the artery restored to about its normal diameter. At the close I the pera tion feeble pulsation could be felt in the artery below Next day pulsation could be felt in the arteries of the foot. Good recovery—well ne yes later

Regns it and Bourrut Lacouture Occupational Ansorism of th Superficial Palmer Arch Antoriene professionel de l'arcade patrastre super scoolle) Res. de chir 9 3, xtv 8, 357 By Journal de Chirurgie.

The rarety of aneurlams of the palm of the hand. especially of those caused by repeated contusions is the cause of the uthor's reporting case of aneurism of the superficial palmer arch in man 37 years old who was an andstant gunner' mate.

During the maneuvers in or , the patient was several times obliged to strike the breech of the gun forcibly with the palm of his hand in order to open it. He felt severe pain near the inner border of the hand In three ceks a small tumor devel oped which in nine or ten mo the grew t the size hazel at This tumor which is partly reduc fble, is polisting.

Operatio local cocains anaesthesia, dissection f the ancurism double ligation of the arch and ligation and section of the first digital artery removal f th ancurism and cure.

Extirpation, which has been performed successfully seven times, seems to be the only correct su

gical treatment.

That this was caused by continuon, as is rarely the case seems indisputable. So this must be our addered as an etological factor in such ancurama even though there is the history of persions wound as is frequently the case. J Oxnocree

Freeman Arterio-Venou Anastomosis for Threatened Gangrene f the Foot. T Am Surg A 9 3, M y B; Surg., Gyner & Olsa.

Following the eport f case in which an unsuccessful thempt was made t check the progress f incapent presentle gangrous of the foot by eversal of the declaration treatson as called t the large proportion I failures in these operations, due perhaps, more t inherent deficiences the operation itself than to faulty technique.

A good and permanent result must depend upon the passage f sufficient quantity f retrial blood through the timest ramifications f the femoral vein int the capillanes. A creata amount of blood may see red in doing that $(5\% + 4\% \cdot 80000)$ ting to Rathma f but it is more than probable that by far the greater portion promptly returns f and the truth through the numerous narro-

motic veins, without reaching the capillaries.

The temporary improvements high have been beeved following it no venous anast mous, such as the return of olds and warmth to the affected.

part, the inhibition f the gangressous process, and the disappearance of pa and umbanes, may be due merely t the pass. byperemis produced b ligation f the femoral can as suggested by Oppel and by Moskow 2, and not t the reversal f the

circulation.

From theoretical considerations and from the result so far binined in arterio-venous anastomous for threatened gangreno f the extremities the following the conditions are resident to the conditions to the conditions are resident to the conditions are resident.

follow g conclusions may perhaps be dr wo Athbough the procedure in justifiable in few well-selected cases, it seldom has been followed by success, and even then its real value may be questioned wing to the first that spontaneous recoveres occasionally occur—with as much frequency per

haps, as do operative successes.

of the first the uncertainty of the value of the operation, in should at least endexers t do so hithe harm as possible. Hence, from this point of view it is better to do safe to-safe assormonic, or t Implant the distal end of the webs fat the safe of the array rather than to the safe of the array rather than to the safe of the s

3. According to our present knowledge, operations upo the upper extremities abould be co aldered with reservation, ing to the comparative frequency of apontaneous recoveries.

Shattork: Occiusion of the Inferior Vena Cava, an Result of I teresi Trauma. Proc. Rep. Sec Med. 9 3, vi. 80. By Surg., Gynec & Obst.

The author describes the case f doctor who ben he was 24 years of age, ran several races, in the hat of which be held his breath for the entire race of so yards in sixteen seconds. Immediately after the race was ver he key on the grass and within few moments complained f pain in the lumber-spinel region. If was put t bed where he remained for six months. Edema of the legs and to lesser degree of the belomen and scrotum, supervened t once nd persisted for the period mentioned. While in bed the superficial veins began within few day t dilate, and their enlargement slowly progressed. During the rest of his ill the distended veins ere expropried by the systematic use of carefully d justed lastic pants, reaching as high as the thorax. Albuminum poeared directly after the event nd persented through life. Death occurred twent live years later. During the last six years of his ld he was troubled great deal with tracks of phiebitis and thrombouls in the enlarged suphenous veins, these attacks being easily brought on. September 5 900, the patient noticed some tenderness and discoloration behind the right internal malicohas this extraded t the domain of the fact. On the soth, the temperature was of I and be had slight rigor. The next day his throat was sore ad this gradually grew one II died on October 5 from acut tomollius nd septermia Autopsy performed six hours after death.

The folloring us desermeio f the utoney fi dings of the vene cave. The preparation con sists of the supernor and injerior one cave wanting ther cardiac terminations. The right axygos velathe end of which was show enterior the superior vens cava, was considerably dilated. Except for Its highest part the whole portion of the inferio cave preserved was co verted into flat, impervious ribbon, which was most contracted and thinnest for distance of 6.5 cm. opposite t and below the renal veins. Portion had been cut way from the front of the vessel below the veins last named t show that its lumen was completely occluded. The common iliac velos and the parts of the external and internal preserved were likewise flattened and obliterated, though somewhat less reduced in size ing to the presence of internal adherent congulum

The intestaines and trusk of the left read wein re pervious, although, as tested with the probe the entrance of the latter far the crea was closed the mane was true of the trusk of the right read. The right spermat! wein, as far as its entrance to the care, was flexing pervious. From the left side I the lower part I the cave there projected the occhaded and do me of the bunker with of the same side. The upper divided end of the inferior versa cave was pervious, through reduced in size It was found during the dissection that the hepatic veins were unoccluded. The return of blood from the kidneys must have taken place through the yeins of the capsule and thence by way of the lumbar

through the asygos vessels.

The author believes that the occlusion in this case was due t the bolding of the breath throughout the race. A localized rupture of the intima or the intima and the media took place, which was follo ed by forefble extravasation of blood into the walls of the vein while the exertion was still in progress that the lesion, in short, in the initial stage was the counterpart of dissecting ansurism of the aorta. With the removal f the abnormal pressure further extravaution into the vein wall ceased, the blood enagulated and the lumen was closed later by rganization of the blood clot. The paper concludes with a full discussio on action of forced expiration and inspiration on the throacse contents.

EDWARD L CORTELL

POISONS

Craws A New Method for the Differentiation of Certain of the Streptococci. Proc Ray Sec Med By Surg., Gyner & Obst

thor uses Dorset a medium which is mod thed by carrying the process through in a sterile fashlo and adding neutral red as an indicator (201%) The exact method of preparing the medium is given. When colonies are grown on this medium ttention is paid to the color of the colony its shape and the effect, if any it produces on the autromading media. The shape i the colony is most important. The consistency of the medium colesa fust right, will cause changes which prevent the appearance of characteristic colonies. The uthor describes the various abapes as cottage loaf

broad brimmed hat, draughteman and flat types. The shape of the colonies is quite consistent but the color produced varies some with the are of the culture. Recently isolated germs give the best results. The value of the medium as a means of differentiation is diminished by the fact that some streptococci do not grow at all. Let importance attaches to this negative property for the nongrowers are chiefly confined to streptococci molated

from sputner.

The 1thor places the commoner streptococel in two groups. A, the bung streptococci, B the remaining streptococci. Group A is further subdivided into those which grow on this medium and those which do not. In the former class he places the poeumococcus, S. trucosus, S. epidemicus and the S. mucosus II. in the latter class are found various other streptococci, among them being the S. mitis, S. mittor S. longus and S. brevis. In group B the division is made on the color produced primarily and secondarily by the difference in share. Those producing yellow color are the S. equinus and several others which are not well known. Those producing the crimson color are the S. salvarious,

S. feealls and the S pyogenes. The characteristic growths of each of these organisms are fully described and well illustrated by means of a color

The author believes that the Andrewes-Gordon classification provides a good working basis, inas-much as the streptococci thms divided present characteristic colonies, but by the use of the neutral red medlum further definite subdivisions can be introduced. For instance, the salvarious group should be divided i to three further subdivisions, the pneumococcus int perhaps three as well. By his classification he has been able to distinguish the chief varieties which cause arthritis in the human FOWARD L. CORNELL. being.

SURGICAL THERAPEUTICS

Results of Operative and Non-Opera tire Treatment of Abdominal Tuberculous (Endresoitat der operati en und nichtoperativen Behandlung der Bauchfeltuberkolose) Zestralbl f Char o p. ad. 463 By Zentralbi. I d gen. Chir

Rummel reports one hundred and t enty-eight cases of abdominal tuberculous observed since 80s. Eights five were operated upon, fifty-six because of general t bercular peritocitis with seven deaths soon after operation, (three complicated by ileus) Nineteen died afterwards of progressive tuberculosis. Thirty cases were permanently cured after 5-14 years, eight cases having been done within the post seven years. Nine operations were for tuberculosis of the crecum. Three of the patients died of proremive tuberculosis, six are well after s-9 years. Five operations for tubercular appendix gave two recoveries and three late deaths. Nine operations were performed for tuberculous f the doesn, with one death and eight recoveries. Of three patients operated upon i tuberculous of the mesenteric glands, two recovered and one died.

Thus, after operations for removal of abdominal organs affected with tuberculosis, the uthor got sa per cent of permanent recoveries, which is of course,

much more favorable result than that shown in general tubercular peritonitis. F the past three years be has treated the latter condition with Rontgen rays, sometimes alone and sometimes in conjunction with operation. Of eighteen patients so treated, four, who were in an extremely advanced stage of the disease died. All the there were favorably influenced. The rays were applied in the same way as for the treatment of myomats, different fields being exposed on alternate days to two-thirds of the dose necessary to produce crythema. A thick aluminium filter was used. It remains to be ascen whether Tell's plan of exposing the open abdomen to intame X-ray action during the open abdomen to intame X-ray action during the open abdomen to intame X-ray action during the open recommends perallo followed by X-ray treatment in expositive tuberculosis and X-ray treatment gione in dry tubercular peritonitia. ADUX.

Touche Colloidal Calium in the Treatment of Cancer (Du scienum colloidal électrique dans le traitement du cancer) Ball, et mem. Sec, med de.

traitement du cancer) Buil, et mem. Sec. med de. 1149 de. Per 9 3, xuit, 45 By Journal du Chleurgie.

The author has performed some chalcal experiments with ketroed in. II. gave lajections of 5 ccm at regular intervals about one week part. Sometimes there was alight local and general reaction such as is spoken of by all authors but there were no harmful grapmount con terhalases the numerous advantages coming from it. Tooche treed this therapy on three canciers of the face, two of the tomput one of the tomat one of the previous and long earners of the terms of the previous cancel are recorded in death of the recursion cancel content of the previous cancel content of the previou

II has berved that electrocelum causes epider mixer on I explationms of the for that is clear apulcerating enorms of the torque and facilit ten dept tition that it bessens pin in outconsconnate that in causer of the breast if facilitates intervention and hunts the spread that it modifies dyspeptle troubles of decreases intended obstruction in causers of the intentum and personoun that it is a great help in unoverse of the recurs by drying upthat discharges and be done most enough of the causer in patients to think that a he is gretting better causer in patients to think that a he is gretting better I concluding Tooche sid, W believe that

I concluding Touche said, W believe that celium will remain as good palliative treatment for cancer J Donover

Losh ad Fleisher Intravenous 1 jections of Various 5 betances in Animal Cancer I Am A Pols & Bacterol. 9 p. M v By Surg., Gynec. & Obst.

Colloidal copper and colloidal platinum acted in imitar manner both liabilised the growth of the men drung the time of injection. Colloidal sail plur if sciler t all, is certally one more after than either colloidal copper or platinum. On the other hand easily sounced sails of copper and of lanthanem are without effect o cancer. Combine time of copper with proteed substances are citre.

The authors also tested one organic substance which, according to Morgenroth, is very active in preventing pneumococcus infection, namely athylhydrocuptein They found it without fleet Of the more complex organic sub-OE CADCET stances they tested the following: various prepara tions of casen and of nucleoprotein furthermore, serum globulin, horse serum, egg-albumin, Witte's peptone protumia, gelatin, lecithm and starch. Of these various substances nly the first to named casein and ucleoprotein, were effective, while all other substances were entirely factive. One single intravenous injectio of either I these two substances destroyed, in a large number of cases, great part of tumor while repeated intravenous injections prevented the growth of the tumor during the period of injection. After cessation of the injections the growth started again in the majorny of cases either immediately or after a period of latener.

The fact that another calledy different robustor, manyly leed hettract, also carried a marked scion on tumor growth similar 1 nucleoprotein and caseln on tumor growth similar 1 nucleoprotein and caseln but acting apparently somewhat more strongly than these latter two substances, seemed to them of great interest. They observed in number of cases, after intravenous injection of leech entruct, were a filter intravenous injection of leech entruct, were a substances of a great case of the seemed in tumors, also one single injection of the tumor and the conditional of a first part of the tumor. Also combinations of nucleopout in and leech extract were effective.

It seems, therefore, that of the various proteins, carbabydrates, and ipodds which they have tested so far only the compact phosphorus-containing proteins are active. Of other substances they found each extract act! and among hospane sub-

stances only colloidal metals.

Very young tumors, from two to six day old, do not seem to be as easily influenced as are those from nine t fourteen days old. Only intravenous from nine t

injection was effective.

Loch and Peisher investigated the action of some

I these substances on experimentally produced

I these substances on experimentally produced

placestomes in the guinces pig nd rabbit. They

found usually after one injection of caselin some

karmorchages and subsequent necrosis colloidal

copper secunds of art to be without any marked effect

on the controlled with the place of the controlled on the controlled without any marked effect.

effect of castin and of colloidal copper on woundhealing in white mice. The intravenous injection of these substances had no marked effect on the

been ble t

process of wound-healing.
In order to further study the action of the substances they injected a series of normal primes pigstances they injected a series of normal primes pigalong the series of the series of

the mouse even after repeated injections of those substances.

The authors think it most probable that the various substances which were found active in carcer of the mouse change the confiliaries primarily

becays these necroses in the liver of

various substances which ware found active in cancer of the mouse change the capillaries primarily increasing their permeability to the various constituents of the bood.

They reported previously that the intravenous injections of colloidal copper exerted definite action on number of human cancers provided they had not been growing too rapidly. These injection of colloidal copper as was also stated before can, even in the most favorable cases, as present only lead to partial retrogression of carcinoma in man.

It is noteworthy that a hile some cases are affected intervally other apparatuly similar cases are not, or are very little influenced by these infections. In order servicements carried out in confunction with Lyon McClury and Sweek, the authors found that also intravenous injections of southours of caseln may exert certain inhibiting action on the growth of some certainmans in man it is, however, less effective than colloidal copper. In one case of account of the innerent which they true close of these of colloidal copper for one case of the colloidal copper in one case of the colloid copper for one case of the colloid copper for the contract of the colloid copper for the colloid copper for colloidal colloida

Although so far the uthors have not noticed that the casen has any injunous effect in patients, their observations regarding the possible productio i necrosis of the liver in the guines pig after intra

I norrows or the next in the games he are intervenous injectio of various proteins scan t them to make the use of such proteins in the case of human beings inadvisable at present.

Kausch On Collargol (Uber Collargol). Denischer chir Keng 9 3.

By Zentralbi f. d gos. Chir u. i. Grenngeb.

In general septic conditions with remittent fever Kausch found collargol of Credé to be of distinct value. The author shows a large number of such temperature curves, in which the onset was marked by high fever which later rapedly returned to normal. The regularity of such phenomena speaks against the coincidence f spontaneous (all in temperature and the injection of collargol. More corroborative still are those cases which required repeated inter tions, because the effect at first was only temporary (five such temperature curves are abown) Little or no result was obtained by Kausch a cases of separa with continued high fever (two such curves demonstrated) Only in cases with small pus foel does collarged seem of service - not in the presence of large pus accumulations. Cases are particularly suitable in which the temperature remains high after the opening up of pus focus. (Three such curves shown Abacess of the neck from dinbtheria bacilli, septic conditions of the car and emprema.) Kamch as yet has not used collargol as prophylac tic measure but intends so doing

He uses the Credi preparation. Intravenous milection is the only rational method per rectum, collargol may be given only when it is impossible or not permitted to inject int the vefa. Up to so or, may be given directly into the vein without curyically exposing it. Average does c. of per ceal solution in secret cases it may be given duly or so-

30 cc. every ther day. The injection must be made very slowly and is then wholly without danger

Kanach has treated also eleven cases I inoperable or evi this large doses of collargol, up to co cc. som I these cases have received show. In yet reat ment. No case was more blowverer The patients did not permit energitic carrying out of the treat them. One case of carcinome of the liver metasta the from cancer of the stomach, showed transitory improvement. One case did three days after injection of 80 cc. and the kidneys were found to be a gred with aliver 1 autorpay. Natuch proposes jurther to carry work with collargol and other heavy metals in treatment of carcinoma.

PLECTROLOGY

Freu d and Kaminer The Chemical Action of the Rhentem Rays and of Radium on Car choma (Uber chemische Wirkungen von Rönigen and Radiumbestrahlung in bessg auf Carthons). Ween Mis Websche 7015, 1814, 501.

By Zentraffil, i d gen. Oynak, z. Geburtak, s. d. Grenzgeb

The uthors applied torde doses of X ray and fradium to persions 1 skin in order to determine the effect the rays would have on the other-soluble fastly add found in normal transers and serum. This fastly add has prophylactic action on carcinomatons them. The results of the experiments follow torde doses of X-ray caused the fastly acid normally present to disappear whereas radium liberated as ther soluble fastly acid from the pathologic nucleoglobulin if the carcinoms when the latter was exposed. Cancer cells lose their power of making use of carbonidative when the tissueds acposed to radium emanation.

Exposing 4 skin to the \(\nu_1\text{says}\) caused the other power of the same of the carbonium of the same cannot be according to the control of the same cannot be according to the carbon of the carbon o

soluble fatty and to disappear but the control of the same piece of skin to radiom again liberated the fatty acid normally present. The uthors believe that the X-rays couple the acid to some uthinance inscinhls in other whereas radiom entores the solubility of the acid by breatling the chemical bonds that onthe it with the inscibile substance. These catch may have practical application to case of X-ray burns etc., where radiom treatment may be supported the substance and makes the prover (destroying act course) and that has the power (destroying act could be substance and makes actionous possible. Radiom has this therapeutic value that it robs the injerious substance in car forceastion through of the properties.

LOSITEDT.

GYNECOLOGY

UTERUS

Geilhorn The Extended Vaginal Operation for Cancer of the Carvix Uterl. Surg. Gyner. & Oast 9 3 xvi, s84. By Surg. Gyner. & Obst.

In cancer of the cervix uterf only extended operations give promise of an improvement in heal results. A general outline of the technique of the extended vaginal method as first devised by Schuchardt and later perfected by Scha ta, is given While in America the radical abdominal method is slowly gaining ground the radical vaginal operation is practically unknown. Let even the most enthroastic advocates of the bdominal route admit their the high primary mortality of the abdom nal opera tion contraindicates to use i fat women in those beyond the age of 60 and m persons greatly reduced in strength by cacheria, sepsia, or heart disease such cases the extended vaginal operation is pref. erable with its primary mortality of about 5 per crut as compared with the mortality of the abdominal method, which is still it he reighborhood of 5 per cent. The relative percentage of cures. e. the proportion between the umber f operated cases and those who remained free from ecurrence for five years, is substantially the same 1th both

The systematic removal of the pelvic lymph glands. hich at first was considered of fundamental value as to the final outcome, no longer forms an integral part of the biominal operation. Any previous antagonism bet een the two methods on this point is thereby chaminated. The operability by the abdominal route is on an average from so to 13 per cent higher which is due in part to complications such as pregnancy fibroid, herniz, and ovarian and tubal tumors. bich in themselves would call for abdominal intervention. This increased operability explains the difference in the absolute percentage of cures which, with the abdominal method, ranges between 16 and 27 5 per cent while with the vaginal method from 6.4 to 0.3 per cent of all cases ad mitted were found cured after five years.

methods it emains somewhere nea 4 per cent.

As to the choice of methods, the author concludes that in fat persons, in old voocen, and in those unifering from cachetta, epsis, or beart disease the wightal method is preferable. In very early stages of cancer both methods abouth be considered on equal terms. In moderately advanced cases the both of the consideration of the consideration of the both of the consideration of the consideration of the tempost, for the high mortality and morbidity and the large number of recurrences are out of all proper tion t the chances for cure. These cases do far

better under palliative treatment. The chief

principle of mah palliative treatment must be to climinat sepsia from the theoreting cancer. The cancer fuelf grown more slowly and cancer conparatively alight symptoms if the mixed nateritors life streptococi and staphylococi is resorted. After all, the solution of the cancer problem will not be found by operative means but along blochemical lines.

Cuilen The Radical Operation for Caucar of th Uterus. Surg Gyes, & Olst 9 3, xvil, etc. By Surg Gyes, & Obs.

C lies sent out letters t surgrous of the South to learn what their experience had been with the radical operation for caucer of the cervix. Very few had had much experience with the operation and even those who had, rarely kept records of the subsecuent hist ry

The author expressed himself strongly in favor of the radical operation and myred the surgeo t take stock of his post-operative cases at regular intervals so that the final results of the radical

operation in America might be valiable.
If then gave his wa results (49 cases

Immediat deaths cases
Not located genes
Patients Hving 11 cases
Remote deaths cases at

periods varying from few months to nearly 6 years.

Twenty-six of this number were operated on over five years ago with the following results

Immediate death 7 cases
Not located 1 case
Living 7 or s0.9%
Of the patients now living.

is well 614 years after operation.

is well 8 years after operation.
18 well 8 years and 4 months after operation.
18 well 8 years and 6 months after operation.
18 well 0 years and 8 months after operation.

is well p years and 10 months after operation.
is well 3 years after operation.

In conclusion College free attention to the fact that causaging having for their aim the electation of the family polyadran as it the early diagnosis of camer of the cervita and body had yielded little camer of the cervita and body had yielded little physician early. He strongly emphasized the fact it was should by necessary to tell the vision of the country that camer in the early stages was ristely been process and not blood disease and that when that at the stage that the latter stage is the stage of the country that camer in the card attack the latter stage is the country of the country of the country of the camera of

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advocated publishing simple and direct articles in the daily press and the weekly o mo thly maga rines.

Clark The Radical Abdominal Operation for Cancer of the Uterus. Surg Greec. by Obst., By Surg., Gynec, & Obst. 0 3, 214, 55

Clark reports 56 cases of cancer of the cervix which have been subjected to the radical operation in the University Hospital. This group of cases has been particularly selected because I the more extensive case histories and the possibility of tracing the final results. Briefly summarised, the results are as

follows Total umber of cases Operative deaths (peritonnia) Died from recurrence in a months 4 Died from recurrence in 6 months Died from recurrence in o months Died from recurrence in mounths s months Died from recurrence in Died from recurrence in 8 months Died from recurrence in YEAR Unable to trace Allys and no sign of recurrence -One year One and one balf yours Three years Four years Fout and one half years

Six years Total POST-OPERATIVE VEQUELE -Supportation of abdominal incision Cystitle Peritonitis (recovery)

Uneteral fictule Verteal featule Phiebkh Laceration of rectum (fistula)

Pleuriny

Rectovarinal fietala

These accidents largely occurred in the advanced cases in which the bladder or rectum were so closely involved as to render them almost unavoidable. Unfortunately one frequently cannot determine before the operation has advanced beyond a point where it is impossible to abandon it, the degree of cancerous extension consequently all operations for cancer of the cervix must unavoidably be attended with greater risks than in any ther gynecological disease requiring hysterectomy However in every series of cases thus far reported

in which the radical operation has been employed the surgical mishans and post-operative sequels of greater or lesser extent have been relatively much larger than in the reports of simple hysterectomy

As the matter now stands, the combined statistics favor the further trial and perfection of the radical operation among those who are well prepared to carry it out in most successful manner. There

can be no middle-of-the-road policy. Either the operation must be extremely radical, with the proportionately higher primary mortality and many destressing sequely and with a larger number of ultimate cures among the survivors, or on the ther hard it must be a most simple technique with a minimum primary mortality few sequela, and a much smaller curative basis Because of the diffi culty of carrying out the technique of the radical operation. Clark does not believe that it may ever become generally available for the larger number of surgroup. Hence he hopes that some means of simplifying the technique and rendering it less dangerous may be devised. From a review of the literature and from his personal experience he offers the following summary concerning the radical operation.

The operation, in expert hands notwithstanding its high primary mortality has given the greatest percentage of permanent cures of any thera peutle procedure thus far suggested for cancer of the CCTVIX.

2. While the above conclusion is true, the general adoption of the operation, in view of its dangers and difficulties, is not to be advised until the primary mortality can be reduced to much lower percentage by a simplification or perfection of details. 3. The abandonment of the extensive glandular

dissection is justified, because this detail adds to the hazards and does not sufficiently raise the percentage of permanent cures.

4. The cardinal advantage of the operation lies. first and above all, in the excision of an extensive cuff of vagina and the widest possible removal of the perametrial tiens. s. There is no middle-of-the-road policy in cancer

of the curvin. The surgeon would better perform a simple vaginal hysterectomy or a high amputation of the cervix with extensive cauterization than to ttempt the radical operation if he is not prepared to effectively execute its details.

6. The exmest endeavor by many specialists, with the improved ultimate cures in a few hands. offers the hope that a further simplification and per fection of details in this operation may yet make it more scherally vallable

Wiebel The Extended Abdominal Radical Opera tion for Cancer of the Uterus. Sure Com Obst. 9 3, 27, 251.

The radical operation of Rerthelm according to Whebel, is characterized by the following two points. It offers the widest excision of the para metrium and the removal of the pelvic glands. In order t remove as much parametrium as possible it is necessary to expose the areters and to posh them

By Sorg., Gynec, & Obst.

far a sy as a preventive measure. The technique of the operation is as follows Scraping and cauterizing of the cancer immediately before operation, without anesthesia, to save the patient's beart Trendelenburg position incision in the median line wide separation of the bladder from the uterus and vagina, tying I the inferior privic and round ligaments dividing the two layers I the broad ligaments. The ureter is exposed up to the entrance into the parametrium without helating it. Here the ureter is crossed and covered by the attrine vessels. The lader tinger is possible through the parametrium between the ureter and vessels, the thereby isolating the latter. By this means the urter is protected during the light isolated that artery and becomes an accessible that it is easy t complete its esparation. Separation of the rectum from the vagina is the next step.

Wide excision f the parametrism follows, after putting on bent clamps for the prevention of hemoer rhage. Two strong clamps are then applied to the already holated agins, so that the cancerous three is completely enclosed, thereby preventing its dissemination after the opening. I the vagins

The next step is the removal of the lymph glands. They lin long the common lilar the art real, and the bypogastric libre and in the targonum between both, also downward to the obsturator foramen and high up as far the division of the orta.

The pelvie would is always drained by lodoform guizo and the peritoneum is closed carefully. But if there is not enough peritoneal material, or if this is infected, one should refrain from the complex closure.

of the peritoneum

very seldom required.

The ferroman discounter in this operation is very important part. Sometimes it is secretary to interdip dig the tretter of the cancerus tirms. Microscopic examination above that cancer involves the reter very seldom and very late and therefore it evens justinable it free, even hes burned in cancerus tissue unstead of resecting and later implant ing it in the bladder! I mostly preventage of cases, about 5, if seems divisable it recet the unterface of the cases about 5 or events for the case of the case of

The bladder is frequently involved and tracked to the uterus, and resection is sometimes necessary. The rectum is rarely volved and its resection is

The after results of the operation above that, of the job cases which passed the necessary for year following operation before being allo et to figure in the result. So died of intercurrent dessess, and so emanated will sad free from recurrence. Thus the percentages of other form the control of the percentage of the control of the percentage of the percentage of the digits with respect to after results, the percentage of patients curred is 5.9. J. H. Storn,

Sampson Result of the Radical Abdominal Operation for Cancer of the Uterine Cervis; Report of 25 Cases. Sury, Gyac & Oka 9 3, xvi, 204 By Surg Gyaca & Oka

xvi, 3n4 By Surg Oynec. & Ousc.

Since the spring of 905 the writer has operated upon 5 patients by the radical biominal opera.

tion for cancer of the cervix. Some of the privic lymph nodes were removed t: of the operations, and these were examined microscopically in all bet one instance. Metastasse were found in one or more nodes in 7 of the 1 cases.

Five patients died as the result of the operation 4 of these were advanced cases. In the author's experience, the operation in the favorable cases in ttended with a very low primary mortality the high primary mortality occurring in the horder-line and advanced cases.

As the end results (five-year limh) 8 of the appatients were operated upon over five years ago. Two of these died as the result of the operation; a died later from recurrence; and 4 are clinically free from cancer at the present time, i. e. 4 out of 8 cases operated upon, and of 6 surviving the operation.

The patients dying from recurrence were both young somen, averaging 3 years, who had never had children. The type of growth was inverting asisting from the portio waginals, the cases appearing favorable before the operation. Both deel from extension of metastasis in accessible fline lymph noder. A small recurrence in the field of overation

was present in one.

The four apparently free from cancer fore years on more after the operation (two nearly seven years) had an average age of 45th years three had borne children, the other had soc. The type of growth in three was invertige, aroung whilst the cerekt in one invertige, arising from the portio variantia. Three of the four present unfavorable before the operation. I only one were the accreasible perity typic handes removed, and cancer was found in one of these

Neel Results after the Werthelm Operation for Carcinoma of the Uterus. Surg Gymes & Okstoy 9 3, 2rd, 193. By Surg Gynes, & Obst.

Since one the extensive abdominal operation has been employed in practically all cases of carcinoms of the cervix. The percentage of operability for the last five years has been 54. During the last years the radical abdominal operation has been

performed in yi cases in yo cases period of fire years or more has elapsed. Enriching the number lost track of (p cases) the percentage of permanent cures is 33. The primary mortality for the last five years has been 7 per cent. Including the number of primary deaths, the aumber of yeight grown other causes, and the umber lost track of the percentage of permanent cures is 35.

The uthor reaches th following conclusions

The extensive abdominal operation for the
removal of all terine cervical caremouns is justified

here there is any hope of complete removal.

An exploratory laparotomy is often necessary to determine whether or not a case is operable.

3 The preliminary catheterization of the univers is simulate and, especially in fat patients, and does not necessarily increase the probability of fatnic or secondary infection of the urinary tract

4. Preliminary cauterization and disinfection of the primary growth is advisable in all cases.

A borizontal lipectomy in obese patients de creases the depth of the field of operation and abortens the time necessary for its completion.

6. The present operative facilities and technique do not justify an extensive resection of the hymphatic stands on account of the great increase in the pelmary mortality following such a procedure.

All patients should be kept in the Fowler position for several days unless this is otherwise contraundicated by symptoms of surgical shock.

S. By improvements in the technique of the operation, the primary mortality has been decreased from st. per cent for the first seven years to per cent for the last five years.

o. Aside from the discovery of the etiological factor of carcinoma of the cervix of the uteres and its successful elimination, the greatest hope has in the early recognition of the primary growth.

Pollosson and Violet The Study of Six Cases of Malignant Chorto-Epithelloma (Etude au shr cas de chorso-épithellomes malins) Lyes chor 9 3, fr. 33. By Journal de Charargio.

In onnection ath six personal cases, the detailed observation of which can be lound in their original article the uthors recall the principal points in the history of these tumors. Their origin to-day is no longer discussed. They are characterized by proliferation of the epithehum of the thorsonic wild .-Langham and syncytual cells. The term deciduoma" therefore should be abandoned and should be

replaced by chorio-epithelioma. These chorio-enitheliomata always follow prez nancy either normal (a per cent coording to Briemet tatratics of 7 cases) or abortion (43 per cent) or frequently a hydariform mol (at per cent) or even though rurely a tubal pregnancy (per ent). The personal cases of Pollomon and Violet confirm the frequency of the presence of a mole I the rate of origin of chorio-epithelioms (four out i ax cases) The development of the malignant tumor is not however necessarily the outcom of molar pregnancy nor is it even very frequent ter mination, since Senarchus only found three chorloepitheliomata in forty-nine molar pregnancies.

The tumor lodges on a level with the zone of implantatio of the placents. It is sometimes pedanculated (polypold form) and cometimes Both types have intramural (interstitial form) been observed by Pollosson and Violet. The number and size f these tumors is variable constant presence of hemorrhagic foci gives them very distinctive truffled appearance. They are soft and very triable.

Propagation is affected solely by the harmatorenous rou the neophismic bads have tendency t rapidly invade the veins. The lymphatics are practical! never involved On the other hand metastases are frequent and of rapid growth, capacially in the lung and secondarily in other viscera

(the liver kidneys, spicen, brain, etc) Special mention must be made of vaginal metastases (from retrograde venous emboli) which are not at all rare, and of which the anthors report an example.

The most constant and characteristic symptom is hemorrhage which is differentiated from the ordinary metrorrhagia following abortion or labor by its abundance and lone duration. It leads frequently to a state of profound anemia, and true cacheria. It can also be accompanied by infection with fever chills and bloody discharge. The uterus is large and irregular in outline like a fibromatous uterns. Yet this enlargement is not always great, and certain cases are recognized ally by intra uterine exploration (touch, curettage, and micro-

scooled examination of curettings) The promosis is very grave, in spite of the fact that certain cases have been known to recover spontaneously. The only treatment is hysterect omy Pollomon and Violet have used the abdominal route in all their cases and in one of them they dissected out the ureters from secondary foci surrounding them at the base of the involved broad

The ultimat results are encouraging according to the observations of the authors, who have four patients i good health after five four and three years no patient of Nove-Joserand remains free from recurrence twenty years after operation.

ligament. The operative mortality is low

CE. LEBORHANT

Miller Th Relation between Sarcoms of th Uterus and its Bearings on X Ray Therapy of Sterin Mysmats. Surg. Gree & Olet., 9 S. zvi. 3 S. B Surg. Gree. & Obst.

In this paper the anthor takes up the f ur follow ing questions -

What percentage of myomata are found to be sarcomalous

s. What is the primary operative mortality of the radical myoma operation?

3. What is the primary perative mortality in sercome cases? What is the percentage cured? 4. What per cent of surcomata can be diagnosed? That is, if they all come to us in consultation, what per cent should we not treat with X-rays?

Thus the argument here introduced is in reply to opponents of the X ray therapy who Miller thinks have painted very black pictures i the heavy responshillty that the X-ray therapentists tak upon themselves.

Figures have been taken from the literature presenting reports of continuous series of cases among which the search for sarcoma was made, from which statistics the first question is enswered with cent.

A second table is a compilation representing radical operations such as are usually don in myoma cases, showing the primary mortality of the radical myoma operation to be between 4 and 5 per

A third table based upon the study of 80 cases

from the literature, is offered in reply to the third question. Where this same radical operation is performed, a certain cure of more than 3 per cent

at the worst cannot be assured.

Affilier sees little or no progress being made in diagnosis, surcomatous degeneration being almost impossible in the early stages, and microscopical examination being reserved until the case becomes ampleious. Of the 80 cases from the literature be has selected those which satisfy the conditions of (1) a radical operation and (2) a microscopic corroboration of the diagnosis or a history of subsequent recurrence or metastasia. Nine of them cases were thrown out because of poor histories and findings. These cases were then presented to Kronie. who answered the question whether or not be would subject each case to V-ray treatment. using the indications which obtain in the Freiburg clinic as given in the monograph of Gauss and

Lembeke The results of the consideration of these 80 cases

are as follows

Of 80 cases, 55 or 30.5 per cent, would re ceive \ rays 6, or 64 4 per cent, would not receive vrays o, or 5 per cent, unknown.

() Of these 55 cases which would have received \ ray treatment, 7 or 7 per cent, under the operative treatment, were reported more than a months later as free from recurrence \$4, or 43.6 per cent died following operation or from recurrence 24 or 43.6 per cent, were not followed over one year

(b) Of the 6 cases which would not have received X-ray troutment, 14, or 1 per cent, were reported over months later as cured 5 or 44.8 per cent, died following operation or recurrence (c) Of the g cases where answer was impossible,

were alive over one year 5 died following operation

or recurrence, and were not reported. 2 If we consider the different kinds of surcoma

separately the following figures are obtained There were 74 out of 80 reported as interstitial in origin, of which 3 would have received X-rays, 39 would not, and 3 were doubtful

(a) Of the 1 which would have received X-ray treatment, 5 were free from recurrence after months, 6 died, and 5 were not reported.

(b) Of the 30 which would not have received X-ray treatment were free from recurrence after t months, 8 died, and 9 were not reported.

() Of the 3 doubtful cases, 1 lived over year ched, and was not reported

5. Only 3 out 40 sercomata of the eterine mucross would have received X-ray treatment; 36 would not, and case was doubtful

() Of the 2 cases which would have received A ray treatment, lived over a year died, and was not reported.

(b) Of the 36 cases which would not have received \-ray treatment, I hved over year 6 died, and 4 were not reported.

4 Of the 66 cases in which the origin of the sarcoms was not designated, would have been rayed, 4 would not, and 5 were doubtful.

() Of the sr cases which would have received 1-ray treatment, 4 were free from recurrence over

one year, 7 died, and 10 were not reported.
(b) Of the 40 cases which would not have re-

crived \ ray treatment, 5 were reported well after one year o'clied, and so were not reported.

(c) Of the 5 doubtful cases, was alive after one year, and 4 dled.

Miller admits that, of the 55 cases which he would have treated with X-rays, 7 probably would have died under that treatment, whereas they were reported after one year as cured. He is satisfied however at such small loss when he considers the high mortality and poor end results of the operative treatment. Of the 74 interstitial sarcomata, 32 would have been rayed that is, inhitake in diagnoals in 43.4 per cent of the cases. Now allowing such a percentage of error and assuming two sarromats among too myours cases, the anthor argues that therefore, in 12; myomata, one, through failure in diagnosis, would be subjected to X-ray treatment,

mortality of o.8 per cent, corresponding exactly to the experience in the Freiburg clinic. Here, during 8 months, y sarcomata present among 60 myoma cases. These 5 cases are reported in detail. Dur ing the preceding as months 47 myoma cases were treated entirely by \-rays and a8 cases have been subsequently so handled. N one of these has

thus far shown signs of malignancy

The author then calls attration to the destructive

action of the X-rays on cardinomatous and sarcomatoes growths in general, as result of which he claims the right to use the X-ray treatment condi-tionally in uncertain cases, later undertaining opera tion if necessary without undergoing any great dif

ference in the chances of cure. In chaing he says: When the public learns that not every tumor of the uterus demands operation, but that there are also efficient conservative methods, we shall certainly he in a position to get hold of more malignant growths in the curable stage.

In view of the above facts I believe there can be no further doubt that a routine operative treatment of myoma of the sterms, for fear of surcomatons degeneration, need not be carried out. This ghost should be buried t ones." Carry Coursesmon.

Fleischmann Surgical Treatment of Mysemata (Source nor operatives Myombehandling). Wice,

By Zentralld, f. d. gra. Cyrak, u. Gebertah a. d. Grennych.

The author refers to 5x cases of operated myo-mais with mortality of a per cent, belominal total extirpation had mortality of 5.2 per cent, the supravaginal amputation .0 per cent, the abdominal

conservative operations 6. per cent and the vaginal operation of per cent. The method of choice in the laparotomics was the supravaginal amputation which was performed on times. The special points in the technique are (1) the cervical tump must be as small as possible (a) separate ligation of vessels must be perferred to ligature en masse (s) formation of a good anterior peritoneal flap is necessary (4) the cervical canal is always left open. Radical extirpation was indicated in cervical myomata, in invomata with necrosis and suspicion of mallonancy and in cases complicated with severe infectious processes in the pelvis. Vaginal drainage was rarely employed. The peritoneum must be carefully closed without leaving any cavities over the vasinal edges. Two cases died from embolism of the pulmonery artery two from acute purulent peritonitis and one from a weak heart two hours after the opera tion. The low mortality of a per cent the writer hones further to reduce by the X-ray treatment in a correct selection i cases. The objections that the cases of myomata subjected to operation had been selected ones is refuted as he operated on every case needing surviced help, excepting only one case in the BANTEL

Brettauer Further Report of Cases of Dynmen oxthes Relieved by Nasel Treatment. T Au. Oyset Att., 913, May By Surp. Gynor, & Obst.

BEETAUTE and after an experience I two and one bull years with the nast treatment of dynectorizes, the final results showed that in bour one bull the number of cases so treated, the results were favorable. In some cases the benefit was treatment. In other instances the treatment of the property of the

In his paper he eported 66 cases so treated. Marza stated it had been his privilege to see these cases reported by Brettaper and also quite a number of others which he had not seen fit to include in his report, because he was not aware of some of the conditions presented. Some of these cases were patients of his own. In following out the treatment of these cases, occasionally a young woman would come to his office with intransact difficulty and nat arally being interested in the question of painful menstruction, he elicited from some of them that they had suffered a great deal, and following treat ment of the namel conditions he was able to benefit them, so that his wn statistics which he hoped to publish later would be more favorable than those of Brettauer although it must be said that he put his patients through a very severe test and did not accept his conclusions until he had seen the pa tients themselves.

As to amenorihea, he had had several young girls who had not menstrusted at all for three or four months, but after applications to the nose, menstrustion became established.

DUDLEY saked if he understood the author of the paper to my that this cauterisation treatment of the nose should be used in all cases in which there was neither pairie nor nama leations. In other words, if examination of the pelvis and of the naml pass-

ages was found negative, would be then empirically

Byroup stated that one of the chief objections he had to this method was the indefiniteness in reserd to the kind of dysmenorrhes and the condition of the nose. As he understood, there had been no study made of the kind of dysmenorrhes to be beloed. There were no lesions of the nose except during the menstrual period or when congestions occurred during the menetrual period and they were usually regarded as a result and not as a cause of something and when women had rein in their breasts every month, the breasts were not treated thinking that would cure any disturbance in the peivis. There were a good many kinds of dysmemorrhes, one of which had not been described, namely nervous dysmenorrhea. He was willing to concede that tha treatment outlined by Brettaner would help pa tients who had this form of dynmenorthes.

Mixus reported that he had found many cases of serous local initiation in the nose where the central nervous system scened to be in state of aggravation or irritation at a result with phenomena in other parts of the body being created, and when that irritation in the nose was relieved the other symptoms or phenomena disappeared.

BENTAUM, in closing said, in answer to Dodley's question, that he would by all means touch the nose in the absence of any pathological condition in the nose and the privis. H would do so as a experiment, as it could do no harm.

Murphy Description of Murphy M thod of Abdominal Hysterscromy Surgeal Clinics of Jake B Murphy 1913, No. 8. By Surg., Gyms. & Ohst.

Having occasion to perform hysterectomy for casential homorphage, Minpply described his method, which originated ten years ago and which he is covinced has many advantages over the escal methods. By the anterior route there is danger of injury to the ureter, also of secondary homorphage from allpying or loosening of a mass ligature. The technique of the posterior operation follows:

After sample preparation and with the patient in the Trendelenburg position, a vertical incision 5 to 8 inches long is made through the inner border of the sheath of the left rectus. The fibers of the muscle are displaced outward with the handle of the knife and the peritoneum divided on the slant between two forceps. The uterus and adness are examined to determine the amount of adhesions, etc. The peritoneal cavity is protected by isparotomy pads. Adhesions, if any between uteres and surrounding structures, are separated. Control of the uterus is secured by a large volsellum forceps a corkscrew which is inserted deep into the upper portion of the myomatous terus. The terus is drawn out with its posterior surface uppermost. Long, heavy hysterectomy clamps are now applied to the broad figurents close to the uterus, the blades extending

down to the corporocervical function, but not in cluding the uterine arteries. There is no danger of injuring the ureters in this step if care he taken to place the ends f the clamps in direct contact with the uterm, bove the level of the arteries If the tubes are diseased they are removed with the uterus by dividing the mesosulping before applying clamps to the ligaments. If healthy however their ntering cuds may be included in the forcers and both tubes allowed to remain. In patients who have not reached the menopause, the ovaries, or at least one. should always be retained. Even when both ovaries are diseased. t is possible, by resection, to preserve a portion of ne or of both. The broad ligaments are divided with the sciences if each to the inner side of the clamps and the uterus, which is now liberared from its lateral trachments, and is rotated down and forward. This brings the posterior surface well

int the field. A transverse incision is made with the scalnel int the posterior wall of the uterus at the corporacervical function, and the cut edge of the peritoneum secured with artery i reeps. This incision is directed forward and slightly down as fa as the curvical canal, and then little up and forward toward the bladder until two thirds I the portion if the cervicocorporal muscularia is divided. The volcellum is then placed on the cervix and firm traction made. The terine arteries peel way from the muscularis, come into varw on each side and are secured with I reers before they are cut. If not plainly visible no time is spent looking for them. From the level f the canal the incision is continued through the cervical tissuathe perstor drawing the terms forward as he proceeds and rolling it way from the ant rio peritoneum and bladder. In this peritoncal flap is formed sufficiently large t cuves the cervical stramp. If the arteries are not clamped before they are divided, the assistant grams them when they begin t bleed while the operator on tinnes his incision. Once the uterine artery is exposed on either side no further cutting in lateral direction should be done the unter alway rests just to the outer side of the artery

alway creats just to the outer side of the artery Each uterin artery is ligated with No. plain cet gut, and the hemostats removed. The wedge shaped gap in the cervix is closed with interrupted catgut satures, which approximant the cut surfaces b t do not include the personneum.

The toward bearment chunge may be treated in two yay () By jugation as some which is exceptional with Murphy (i) By jugation of the individual with Murphy (ii) By jugation of the individual vessels. The latter be considered preferable. When the mass ligarants is used, it should be tied in the create produced by the clamp, if the following reasons () The compression of the chung i tree out of the latter of the clamp is the constant of the companion of the chung i tree out of the clamp is the constant of the clamp is the constant of the clamp is the constant of the clamp is the clamp of the constant of the clamp of the constant of the clamp of the clamp is the clamp of the clamp of the clamp is the clamp of the clamp of the clamp of the clamp is the clamp of the c

Commencing with the broad ligament samp on cool of a pure-string of captus inserted around it and the attimp build beneath the peritosera. The same stature is send as continuous Lembert, to approximate the anterior vestico-testion flap in the portein ending of the process of

The sigmoid is turned down and placed over the line of seture, in order to prevent the omentum from becoming adherent. This is of the greatest importance in all polvic operations, as the omentum, ared in this situation, may give rise t much suffer ing afterward. After drawing the omentum over the small intertine, the abdomen is closed by setur ing separately the peritonsum (making the usual ectropson of its cut edges) fascis of the rectus, and akin. Heavy catgut is used for buried sutures, and borsehair for skin. Figure-of-8 silkworm-gut sutures are then inserted through the skin and fascia, to insure against separation of the wound in case the catgut is prematurely bearbed, and to obliterate dead spaces Under the figure-of-8 stitch is placed a small groupe apongs to act as buffer preventing

transverse necross of the skin.

The advantages of the Murphy method are as follows: The tenner and uterus can be removed about as readily and as replied year as ordinary ovariant cyris, the versup time for the mitre open stone being fifteen to taltry minutes. If lost of the time is consumed in covering the shreaded surfaces to the state of the stationary by realizing the state of cutting the uterus cost. I the surrounding connecture tissue, so the state of the stationary by realizing to recording hermorthage, as the state of the st

ADREXAL AND PERIUTERINE CONDITIONS

Gosset and Blasson Naure-spithslioms of th Orary (Nevano-spithslioms de Foucie). Res. de Gyade, et de Chr. selden, pag. xx, x, Hy Journal de Chirurgis.

The authors report—curious case of courties transens which from the appearance and character of the cells seemed 1. be formed entirely of nervous factors. The patient, aged to years, was operated on by General partial and participation of the court of the courties of t

that the tumor derived its blood supply only from the vessels pre-existing in the ovarian stroma, prove that this is not sartoms. These facts, together with the character and location of the cysts, point to its being an epithelioms. The arrangement of the cells in rosettes and their transformation into fibres was typical The resettes were pathognomenic, being exactly like those found in the medullary cord of the embevo both cytologically ad hystologically They were identical with certain erendymal cysts frequently found in teratomata in general and excecially in the comple dermoid cysts of the ovary

The authors think their specimen which contains induputable ependymal cavities is composed largely of young cells which reproduce the conditions found in the embryonal nervous tisrue when the neuroblasts and neurogiia cells are beginning to be differ entiated. They propose t classify this as an embryonal neuro-criticelloma. The exact origin of this tumor is hard to find. The normal every con tains sympathetic nerve elements. The nervous elements indispensable for the origin of the tumor were of course typical and might be the remnants of some embryonal rest or inclusion the other parts of which have entirely disappeared, d a perhans to the invasion of nervous elements. Geogras Lauxy

Morits On th Nature of the So-Called Ligaments of Mackettradt. J Obs. & Gyant. Bru Ess) 0 3 Mid. 31. By Surg., Gyant & Obst.

Moritz has cut sections t various levels and in different directions of female polves, fixed and hardened in formalin soon after death. These he has traced in series and has also examined microacopically some sections of fortal pelvis. In no section did he find a separate area of these with definite imeritors as described by Mackenrodt, nor is there a weak small center of areolar tissue between the folds of the broad ligament. artificial and wrong t define the lower limit of this as different from the upper. It is obviously an anatomical error and misleading to describe as a separat entity iew bands artificially separated from the remaining parametric timese.

CARRY CULRERTION

EXTERNAL GENITALIA

Spa Iding Vulvo-Vaginitis in Children. Am. J. Dis. Child 9 3 845 By Surg Gyner. & Obse. By Surg Gyner, & Obst.

This is report of the work done in the Children a Hospital in Boston under the direction of Lucas. The purpose of the atticle is to emphasize the following five things

The prevalence of the gonococcus as an etiologic factor in cases of varinitis and the unreliability of bacteriological examination in all STREET.

The total duration of the disease including the long periods of latency
3 The importance of the disease on account of

the serious complications and sempelar

4. The inefficiency of treatment at the best. 5 The consequent importance of prophylazie

both at home and in the hospital. Ettalory There is a wide difference of opinion as

to the per cent of cases of vul to raginitis in lafancy and childhood caused by the gonococcus. The bulk of opinion, however seems to be that most of the cases are due to this organism.

As to the source of infection it would seem that most cases are injected in the hospital and schools and that there is a direct carrying of the organism from one child to another by the urse a bands, by thermometers, toilets, baths, etc. Although many have thought that after profonged period of freedoes from the disease the recurrence was due to a fresh injection, Spaniding is not convinced of this. Recurrences occurred in her series at 4, 6 and 8 months and even a year to a year and a half. The verage total duration of the disease in so cases was

year and 8 months. Several children who came to the clinic when it started all years ago were

later treated for recurrence.

Combinations The following complications have been observed in 24 cases proctitis, 6 cases cystitis, 5 cases, arthritis, 4 cases pelvic peritonitis, inguinal adenitie with suppuration. CHE VILTO vaginal abscess, case ischlo-rectal abscess, r case, T eximeni The directions usually given to the

mother in the treatment of these cases are as follows: A varinal douche of guarts of saturated solution bork acid three times a day and the matallation of argyrol 5 per cent, or another allver salt, 1 1000 into the varina three times daily. Gonococcie vaccine once a week beginning with doses of so million and increasing a million up to acc million.

The vaccine treatment is believed to be of some value in shortening the course of the disease. Autogenous varcine together with genococcic vaccine has not given favorable results. By way of pro-phylaxis the uthor recommends the three most important items of routine which have been carried out in the Babaes Hospital of New York Vaginal amears are made once a week throughout the hospital period () individual thermometers are maintained as well as individual bottles of petrolatum for I bricant (s) the disinfecting of urse hands in going from one case to another is carded out

The arrangement is recommended which is carried out in Chicago t the Juvenil Home, and at the chil dren a venereal ward at Cook County Hospital.

The following conclusions are drawn That all cases of vaginitis with persistent

discharge, which at any time has been profuse are due primarily to the gonococcus. z. That the disease may extend over many years,

during which time there may be many recurrences and the period of latency may at least be as long as 8 months

3. That vulvo-vaginitis in children, although it may remain a local disease is liable to the same complications as seen in adults.

4. That the most efficient treatment does not insure permanent cure.

5. And, finally that physicians should realise the importance and prevalence of the disease and institute strict preventive measures, both in hospitals and in private practice

Съргово G. С пълк.

Ward Operation for th Cors of Rectocale and Restoration of the Function of th Pairle Floor T Am Gymu Air 19, May By Surg, Oyme, & Ohs.

This operatio according t the author is especially applicable to cases I large rectorele. The conditions present in a rectorde were the same as in

cytocole. There was true berma or probapres of the rectum joint as in the bladder. Lifesales the brewl had been enlarged and penched by distensive, the brewl had been enlarged and penched by distensive, the probability of the probability of the maillar to the condition as the base of the grammlar to the condition as the base of the grammlar to the condition as the base of the grammlar to the condition as the base of the grammlar than the modern ratios! operations are employed in the modern ratios! operations the course of cytocoles the rectum was complectly as the course of cytocoles the rectum was complectly as the probability of the various and was placed bifter up in the pelvas.

The author described the operation and gave the technique used by him in permenthaphy

MISCELLANGOUS

McDonald Th Treatment of Leocorrhose Due to Gonecoccus Infection. Am. Med., 913, riz, 57 By Sorg Green & Obst.

The rescutish is treatment are free drinings and optimized applications. Drinings is obtained by the electric thermocautery (sine polaried loop it not heat) or so poncitures the cervit are made about one third of an inch in depth in the middled in the mentand fronth. This method gives free drinings to the cyraic collections and it is usually measured in the cases to repeat the operation, a most three times. Desches of 1 cool the sys per cut oily solution of chlomestarceol are given and applications of tructure I sodins by swith are made to crivit and by probe to the duct of the plants. After the puncture woment are beated an illumbar doubled of the control of the control of the problem of the duct of the plants of the ductor of the plants of the many of the control of the control of the plants of the made of the plants of the many of the plants of the plants of the plants of the many of the plants of the ductor of the plants o

Polaki The Conduct of Oysecological and Obsistrical Operations in the Presence of Acot Chronic Endocurities I As Grac. Ast. 9 3, May By Sun Gyace & Obst.

Polack in summarizing his experience in gypecolorical operations, concludes That pelvic conditions, reconstanting operation, may be do after proper cardiar preparation. 2. That it ardiae symptoms, blood pressure, and the furtional activity of the liver and kidery were tcelly ladices of when it was time to operate. That these cases abould always be seen and treating the control of the competent interests. 4. The control of the competent interests. 4. The control of the under combled local and doctors and the under combled local and doctors and the morphise, novacoins, ether and oxygen. 5. The the Trendelenburg posture should be used on mill such time as the field might be proper leakated, when the patient might be grid plowers out of it. 6. That philebotomy should be donpumptly on signs of right heart engagement properties. The patient might be given the properties of the patient might be given to out of it. 6. That philebotomy should be doncontrol to the patient might be given to the control of the control of the control of the That might be given the patient might be given to a That myther the control of the control of the trendel of the control of the trendel of the control of the control

Krönner Etislogy and Treatment of Fyelitis I ibs Feenial (Enterbrag and Behandlung der Pr citis bein Webs) Dentels mod Friender Pr zwin, 48. Pr Zentrakl, I. d. ges. Gymb. Gebortik, s. d. Grennel

After giving historical data Krömer enters int th etiology and agrees with Stockel that during pres nancy an ascending form of cysto-pyelitis almost always is present. This is contrary to the French investigators, who accept a hematogenous etiology Retention of urine is necessary for the establishmen of the first attack of prelitis. Reasons for this view are () pyelltis frequently armes on the right side corresponding to the dextroversion of the utern during pregnancy () treteral obstruction is fol lowed by urinary retention, then becterium and finally pyuria (3) relieving the prinary retention by making the ureter passable causes a disappearance of all the signs of the infection, (a) after injury to the urster or secondary ureteral necrosis, the corre spending Lidney sooner or later becomes diseased by an ascending pyelo-nephritis. According to these viewpoints, the treatment must be directed so as t render the areter passable. This is flected by the patient turning or lying on the opposit side, by ureteral catheter ration and by friestion of the pelvis f the kidney with disinfectants. Hased on a series of cases, Krömer recommends the careful irripation of the pelvis of the Lidney These measures however are only of benefit for each attack pyelitis, permanent results after renal pelvic uriga-tions are rare. For recurrent cases he highly rec ommends vaccine treatment. He had three brillient results amongst five cases thus treated Finally be discusses the hematogenous origin of pyelltis after severe poerperal infections, ngms

gnatro-enteritis and colitis. Lymphatogenous in-

fections after retroperitones) phiegmons of the pelvas

RUKENARK.

were also becreed.

ORSTETRICS

PREGNANCY AND ITS COMPLICATIONS

Engelhard Psychoses of Pregnancy and the Influence of Pregnancy on Existing Psychic and Neurologic Diseases (Over General-psy chosen en des inviced der Cestatieperiode op recht bestands psychische en berucksjottes Zickten) Referi. Trikake Verlich en Grosere og 3. zd., By Zentribl, id gres Grabt, to Geborth a di Grosepe.

After a detailed description of fifty histories of the disease from the Utretht clink and critical discussion of the literature concerning pregnancy paychose the author arrives at the following conclusions. The causes for psychoses of pregnancy may be

hereditary taint, an injection or exhaustion definit cause can usually not be demonstrated. Severe prochic disturbances are found in eclamptics These at times after recovering from the comaassume the character of a true psychosis on account of the influence of an infection the mentiolent excretion of the toxines. A connection between the appearance of the psychoses and the retentio of urine can usually be proven. Psychoses during is bor arise from psychic predispositions, tordars or hypersensitiveness. These psychoics have an im-portant forensic significance, just as painless labor does. Artificial saterruption of pregnancy in perchosis is wrong and dangerous. It is negative in its results as a prophylactic measure for the pre-vention of psychoses. Psychoses complicated with an albuminuria of pregnancy must be considered as a contra-indication to the inductio of an abortion. The treatment of pregnancy psychoses must be as conservative as possible. During labor and before complet dilatation interference abould be rendered only if symptoms are present which point to threatening eclampais. STRATE

Harrison Myoma and Pregnancy; the There, peutical Indications. Vs. If Semi-Month, 9 g xv5, 60 By Surg., Oyner. & Ohel.

In this article the whor discusses the complications and treatment to believes whorkly be considered in cases of myomata-complicating pregnancy. These tumoes curve actual cannet danage only infew cases and these may be considerably diminished by a cartifora clean management of the labor tend the perperfum. On the other hand Bland-Sutton believes that the file of the woman is in jooparily not only so long as the focus is in the terms but during the expulsion also

Myometa situated in the lower uterino segment while usually fiering an obstacle t the birth of the child, may be drawn upward during labo and leave the pelvis free. Operative intervention is indicated when the tumor is fared so as to offer an obstruction

to the passage of the child During the pregnancy the author advises expectant treatment as a rule but when something definite must be done, be suggests interruption of the premancy or Casarian accison at term. The former is often very difficult to the placents may be firmly adherent or the fortes may be passed after a long time during which fever and degeneration of the myoms with sepsis may follow Myomectomy does not offer a perfect ed tion of the difficulty for a small myoma left at the time of operation may grow to large size before the termination of the pregnancy When labor sets in he says, our attitude must still be an expectant ne but when it is seen that the tumor does not move upwards with the unfolding of the cervix. Casanan section should be done t once, fo the fordble attempts to drag the child through the pelvic canal past the fibroid may so miure the tumor as to cause it to slough. If the fibroid be single it may be enucleated, or if multiple, or the case be scotic and the child dead, total exurpation is the operatio f choice. If the case is aseptic, supra vaginal amputation is the operation of choice and is less dangerous and easier but as Bland Sutton sug greats, there is greater danger to the ureter in total

emirrance. As a general rule, if the birth is accomplished without myomectomy the puerperium abould be allowed to reach to completion before operation is unde taken. If the location of the tumor is such that it interferes with contractio and retraction of the uterus the hemorrhage following labor may be so severe as to necessitate tributing the cavity of the uterus with tincture of lodine or to nack it with gause. Greater dangers than these are offered by gangrene of the polypi or submucous myomata as they descend into the vagina. The death of the myoma that is known sometimes to occur is easily understood if we remember that it has grown while the blood-supply of the uterus was very good, but during the poerperium when the larger part of this supply is suppressed the fibroid contains more tracce than can be supported on this limited bloodsupply C. D HOLLING.

Hauser Myome and Presnancy (Myom and Schwagerschaft). Klist-thrup Welnuckr 9 3, 22, 37 By Zestralbi, f. d. ges. Gyasik, n. Gebertak, n. d. Grongeb.

Menatrantion appears earlier than usual in myomatous patients. However the writer does not believe that this early appearance is caused by the myomata, as these temors have hardly ever been found in girls before puberty and myomata grow too rapidly. He concludes that girls who menatrants 4 That the most efficient treatment does not insure permanent cure.

 And, finally that physicians should realize the importance and prevalence of the disease and instit t strict prevent we measures both in hospitals and in private practice.

Curroup G Gerrer

Ward Operation for the Care of Rectocal nd Restor tion of the F notion of th Petric Floor T is type: fire of 1, May By Sung Opner, & Obst.

This operation according t the whoch is excelled polacible to case; I have retooct it represent in a rectored were the same as in a cystocic. Here was true benefits or prolapses of the rectum just as in the bladder. Like-six the bowl had been calarged and postede by distension to that there existed a crual floresses in size of the part aimilar t the condition at the base if the bladder in cystocic The same principle was applied in this operation to cure the rectorie as was comployed in the modern radical operations for the cure of evincetch the rection as as completely separated from the cutine positrior all of the vagua and was placed higher up in the petru.

The author described the operation and give the technique used by him in perincorrhaphy

MISCELLAREOUS

McDonald The Treatment of Leucortisms Due 1 Conococcus Infection Am. Mol. 9 3, str. 57 By Sura, Oyner, & Otst.

The essentials in treatment are free dramage and germicidal applications. Dramage is obtained by the electric thermora tery (fine positied loop at ref least) or a point res of the cervat are made boot one third of an inch is depth in the modified for the cervation of the cervation of the control of the control of the cervation of the cervation

Polak The Conduct of Gynecological and Obtetrical Operations | the Freence of Acut Grande Endocarditis. 7 Am Gyne. Am 9 3, May By Sarg., Gyne., & Out.

EUGENE CART

Polack in summarizing his experience in gynecological operations, concludes That pelvic conditions, necessitating operation, may be done after proper cardiac preparation. 2. That the cardiac symptoms, blood pressure, and the func tional activity of the liver and Lidneys were the only indices of when it was time to operate That these cases abould always be see and treated is conjunction Ith a competent internist. 4. The operation abould be rapid bloodless and done under combined local and general auesthesia, morphiae povacoine, ether od zygen. 5. That the Trendelenburg posture should be used only until such time as the field might be properly isolated, when the patient might be gently lowered out of it. 6 That phiebotomy should be done prompth on signs of right heart engorgement. That post-operati e distention must be roided. 8 That morphia wa the mainstay in thera peutles.

Krömer Etiology and Treatment of Pyelitis in the Female (hotstehing and Behandling der Pyellin beim Welbs) Drunche med Welssehr 9 3,

gener 43; By Zentrall-L.d. ges Gyntk u. Gebertsh, a.d. Gemageb. After giving historical data Krömer enters into the ethology and agrees with Stockel that during preg nancy as escending form of cysto-pyellris almost lways is present. This is contrary to the French investigators, who accept a himiatograpus etiology Retention of urine is necessary for the establishment of the first attack of pyelitis. Reasons for this view are () pyrelitis frequently arises on the right side corresponding t the dextroversion of the uterus during pregnancy () ureteral obstruction is followed by urinary retention, then bacteriaria and finally tworia (3) relieving the origany retention by making the ureter passable causes disappearance of all the signs of the infection, (4) after injury t the secondary ureteral necrosis, the correnreter sponding Lidney sooner or later becomes diseased by an ascending pycio-nephritis. According to these viewpoints, the treatment must be directed so as t render the wreter passable. This is effected by the patient turning or lying on the opposit side by ureteral catheter sation and by brigation of the pelvis of the Lidney with disinfectants. Based on a series of cases, Krömer recommends the careful irrigation of the pelvis of the kidney. These measures, however, are only of benefit for each trail of pyelitis permanent results after renal pelvic irriga tions are rare. For recurrent cases he highly recommends vaccine treatment. He had three bril Hant results amongst five cases thus treated Finally he discusses the hematogenous origin of pyelitia after severe puerperal infections, angina, gastro-enteritis and colitis. Lymphatogenous inlections after retroperatoneal phleamon of the pelvis ere leo observed. RUMENANT.

OBSTETRICS 85

In the first patient, the first labor which was a premature hirth in the seventh mouth, ran a spon taneous course. Transverse position was present in each of the follo ing seven labors. In six cases the uthor perf rmed version, and once another physicion. All the children are alive The patient again became pregnant, for the ninth time In the second case bendes the deformity of the terms a narrow pelvis existed with conjugata vers of 7 5 to 7.8. Podalic version and extraction was performed by different physicians during the st sd, 5th, 7th, and 8th labor on account of a transverse position. All the children were still-born or were subjected to craniotomy In two other labors of the same patient breech presentation existed and these chikiren were also still-born. T conform with the wish of the patient t have living child ton Klein performed a Caracrean section with relative indications at end of the tenth pregnancy as soon as the first labor pains occurred. Transverse position gain was present. On account of the dust act becomedly of the nterus the a thor did not make median longitudinal mention but a transverse incision over the fundes f one of the horns and as the extraction of the child was impossible he also incised the fundus of the other born including the septum. The upper end of the septum was 3 cm. thick and its lower horder reached cm. down from the surface of the fundes. The incision in the septum was closed by a few interrupted stitches to stop the hemorrhage. ть terms was closed with two rows of sutures. The patient was discharged as cured in the 14th day. The child lived.

In both cases a sterms bicomis supre-semisoptus exertied. The sutuber considers the deformity of the starter as the cause of the transverse position. In the second case he performed balateral salphagetomy to induce sterility. The unit avorable termination of the former labors as due to the perrow position and theorems the starter of the performance of the former labors as due to the performance of the contraction of the contraction and the properties in student in terms. On the other hand a patient in whom this complication has bee due position of the contraction of the contra

nosed during former labor should immediately call
physician t the commencement of labor as in such
cases the transverse position is often repeated.

ARREST

LABOR AND ITS COMPLICATIONS

Cragin Under what Conditions should Uterine Insertie be Tracted by Artificial Delivery? T is Gyec. As g J May. By Surg Oyace, & Obst.

Craph said interior inertia was of greater importance in this second stage is those especially if the membranes were reptured and the pressure of the interns came directly upon the child, than in the first stage yet in several Caraman sections performed drung a prokinged first case the presence of meconium in the liquo suntil and the marked slowing of the fetal beats prio t the operation had convinced him of danger to the fortus from ut rine in ertia even during the first stage of labor

Uterine inertia associated with fortal heart sounds indicating charger to fortal life was one of the first types of inertia indicating artificial delivery. His plea was for studied skilled, artificial assistance in the delivery before the mother and child were

emosed t these dansers. There was one condition not usually classed as uterine inertia which the write called attention to before cloning his paper. It was the long delay which sometimes intervened between the rupture of the membranes and the terine contractions of the Patients sometimes prese ted first stage f labo themselves t the bosoital with a history that their membranes had suptured three four or even five days before their labor began. An unfortunate experience several years ago in which the fortal heart ceased before the labor was completed and a study of the temperature charts of a number of these cases, convinced him that in many particulars they resembled cases of uterme inertia during actual labor that there as fortal danger from interference with (crial circulatio from prolonged pressure, and thet maternal morbidity was common from sanramia. if not from bacteriormia. Fo these reasons ha had rule in recent years, both at the Sloans lifospital ad in his privat practice, to introduce an elastic bag into the curvix if terine contractions had not started t the end of twenty-fon bours from the time of the rupture of the membranes. The clastic bag as a rule not only brought on uterine contractions but lessened the further escape of the liquor aman and the results both fortal and maternal had seemed to fustily the procedure

Davis stated, in discussion, that from the area mulated experience of the profession it seemed pitt itrin came into practical competitio with strychnia oplum and ergot and Edga had given very valuable hint as t the danger of patularin. All recognize the fact that in many cases onlym to the point of lemening nervous excitability and securing rest, was of the greatest value in bringing about the development of the physiology of labor and all were aware of the very frequent experience of the unexpected and rapid delivery of multiparm t whom had been given plain to secure rest, and how frequently the woman surprised berself-and us most of all, when we were caught napping-but certain it was, oplum in the general experience of the profession as the one sedstive which was stimulant t the ganglion which controlled the action of the uterus. As regards strychnia in comparison with pituitrin it seemed t him the difference between the two might be stated in this way that strychnia given in moderat doses as a physiological stimulus to the ganglion supporting and maintaining uterme action while pitmirin, and especially as adjusted by Edgar was matter of more brief and more stormy result and hence much more uncertain and per sonally he had not felt that he could substitut pitultrin for the use of strychma as physiological

stimulant or aid in labor. The use of error as a thing to be carried out with great caution, and he still adhered to the belief that ergot about he given upon the empeded sterus only and in Cenarean section one might law saids ergot entirely oftentiones with advantage. As t contracting the dilating bug with the bongle as an inducer and promoter I labor, in connection with strychink or printitely, it was of advantage in that t decidedly erfumiated the muscons exercision of the certific and was less apt I

alter the mechanism of labor. Portar State that no decision of plittlirin in this society abould go our without sounding a word or two I warming. He had held within the last three or the state of the effect of the state of the state from the same that was thrown into moth violent victime contraction that anesthesia and morphile had to be used t control the spasar if the streng consequently from his apprinter, which was considered that primiting had into on on picton into disr trage. I show that there was bod 1 knowledge of the perfect particularly in outlet confrictors and

particularly in borderline contractions. Furthermore, in order t get the bost use from primitin we should have distred or at least a district a bloc certile, because injuries to the cervit had been just as Edgar had exteed. He had found, further more that it had no value, as far as his limited experience had gone, in establishing uteriase contraction in emerying in cases I means making the contraction in emerging the section of the contraction of

piete abortion.

Another observation he had made was that where it was used in the third stage labor be had gotten secondary relaxation in a sufficient umber of cases t warn him that when he used it in the third stage

it should be combined with ergot

Byrons stated there was mild form of inerthal which is primpare meant a great deal perhaps in some cases, due to general exhaustion from meaning severes of the prolonged first stage, or what of rest and exhaustion of the naryous system. He had seen many cases in which there was inertial of the cervit. The patient had an instable condition of the parts, and would have if the first stage of above we may be a stage of the first stage of the rest was the stage of the first stage of the rest was the stage of the first stage of the rest was the stage of the first stage of the rest was the stage of the first stage of the first stage of the stage of the first stage of the first

Directions said that between foreign and American obstetrics there was one great distinction. Kert read very ble paper before this society on waiting or long delay in the second stage of labor. The German practice of delay in the use of the foreign or the infrequent use of the foreign as com-

pared with the American was most striking. If submitted the particular type of American woman neurodic, easily tired from vigorous mucchir erecise and anxiety was type to which the pituliary extract particularly applied. If was most fortunate it have had so hold an exposition of the exact

therapy of pituitary extract as Edgar had given. Stuppercap said one of the most important points in these three papers was that of calling attention to the dangers of pituitary extract. Enthudastic reports sent around by the manufacturers led to the promisenous use of pituitary extract with many unfavorable results. His wn experience has been very much the same as that of Edgar The pitu itary extract was so ancertain in its action in the first stage of labor that it was pt t cause such bad results in the cervix that the cervix, it seemed to him, should either be fully dilated or dilatable, and was many times, but where the diagnosis was positive that there was no obstruction to rapid delivery delivery could be brought about promptly Therefore, the question of diagnosis was important in the management of these cases as well as the indication for treatment. An accurate disposis should be made before any line of treatment was followed one.

relative that these radical papers were ploud out to halfmens permed prectificators, and in the subsequent disensation searching capit to easily at to what should be done in the way of prevention of eiterine inertile. The wrange woman who was pring to have bealy should be trained to pothrough the ordeal first as good athletic trainer would teach more on took tall team. She should be trained for the condition, and if this was done in integer proportions of cases the intent's would disappear. Furthermore, there were a great many women who were benefited during the last two monaths of preparancy by systematic trainment, with from a stock, or the stock of the stoc

through labor perety well it she kept moving around.
Winners and that in cases I uterlos inertia
amociated with rigid, elongated, or hypertrophicd
cervix, he believed that the important measure of
treatment was vaginal Censures section, and not

abdominal Casarean section unless there was contraction of the pelvic outlet.

As regards the use of pituitrin, he had been using it in the Presbrietian Hospital, Chicago and his expectance harmonized with that of Edge although the speaker had of used it perhaps in as many caser as had Edge

Harrison Uturine Inertia Its Trustment. T

Ass. Gyest. Sec 913, May

By Sung Oynet. & Obst.

It is important to recognize the distinction between primary and accordary inertia. In primary inertia before the rupture of the membranes, the

conditions obtaining are comparable t those exist consultom consuming are comparative those state ing during pregnancy. Active intervention is not indicated. Patience on the part of the physician is essential and his aim should be to inspire the patient with courage and hope. She should not be confined to bed. After the escape of the liquor ampli, active intervention is indicated only if danger exists for the mother child, and then the metreurynter is preferred. Vaginal hot water douches are liable to cause septic infection from injury to the epithelium. After dilatetron the author prefers podalic version followed by extraction. When the head is resting on the perineum the forceps are indicated, especially in multiparse with diastasts of the recti. The Kristeller Doederlein method of expression has a limited polication. With reference to drugs excit ing uterine contraction, ergot should never be exhibited until after the birth of the child and deliv ery of the placents. The author has had no experience with pituitary extract and its range of applica tion is still sub judice. Some authorities have recently dyocated the employment of Conscious section in certain cases of primary inertia when the mother lift is in jeopardy. Primary inertia ser is does not furnish the indication for such a procedure. Obstetric resources are amply adequate without recourse to surgery

PUERPERIUM AND ITS COMPLICATIONS

Ward Th Treatment of Puerperal Sepsia t th Sloane Hospital for Women. Am. J. Obd., N Y 9 3, krth, 464. By Surg Grace & Obst.

In the event that puerperal woman delivered at the Sloans develops temperature she is considered at first as a case I supremia until it is therwise demonstrated, and is treated as follows. On the first rise of temperature above 100 6° F she is given a hot saline vaginal douche every hours and an ice bag is placed over the fundus. Ergot is not given in such cases. If fever lasts for as hours or more. bot saline uterine douche is given after a culture has been taken. In case temperature still is elevated after 24 hours and other symptoms supervene, the uterus is palpated under anzestbesia, and foreign material is removed digitally, and saime douche of the sterine cavity is made. I case the woman has been delivered enswhere, so that the condition of the terine interior is unknown, then this explora tion is made at the outset of injection symptoms Thereafter daily intrauterine salue is given as long as there is a cloudy return if the douche water in the presence of temperature Should fever disappea or the discharge stop intra terine manipulation is immediately discontinued. When infer tion has invaded other parts, manipulations and examinations are reduced t the minimum and nothing active is done except t incise when collections of pus form, vaginally when possible. In all cases supporting treatment is instituted, nutritious diet given and the patient isolated. The head of the bed is levated address pplied to the belomen.

Ward says that nursing of the infants is always stopped as soon as sepals is disposed. At Sloane case has sepais in case a utterine temperature persists for week (unless the case disc seather) and in case fever wholdes earlier than this it is called saptrends. He has observed no undoubted benefit from series or variches. N. Sersoar REARTY

Findley Treatment (Puerperal Thrombophlebitis, T. Am. Gyncs. Ass., 9 3, May By Surg., Gyncs. & Obst.

Findley reported ten cases, reviewing the litera ture on the subject With this review of his recent personal experience with puerperal thrombophichitis, together with the expression of opinions of many of the workers in the field of obstetrics, be animits the f llowing for consideration Trendelephory operation is surgically correct in theory, but as practical proposition it is a ques-tionable procedure. The difficulties involved in the making of an accurate diagnosis before opening the abdomen re as yet insurmountable further more, it is not possible to judge with accuracy the extent of the injection within the veins or cheewhere after the abdomen is opened. One cannot rely upon the sense of touch to local with certainty the limits of a thrombus not can we fodge with certainty the presence or absence of our within the veins. Failure to find bacteria in the general circulation gives no absolute assurance of the localized character of the infection, nor can physical examination of the lungs and other viscera exclude the possible presence f metastatic foci. 3 It is in direct violence to the rules of practice t traumature tissues in the immediate neighborhood of virulent infection.

In reviewing the reports of cases the author has

been seriously impressed ith the boldness with which some operators violate this time-honored principle of surpery. If the injected weins are not dissected out, have they not locked the thiel in the stable when they do no more than ligate above the zone of the injection? and if the injected veins are not dissected out do they not incut serious hazards in the way of dimensinating the infection? Further more, the risk of dislodging thrombes in exploring the pelvic veins should be reckoned with. 4 It is physical impossibility to ligate all the veins leading from the genital organs and unless all channels are blocked there can be no assurance of check mating the infection. Among the ardent supporters of the operation are those who would ligate the lower end of the vena cava and both spermatic velna. claiming that the collateral circulation can be depended upon t re-establish the return circulation. Is this not an argument in favor f the contention that the venous channels leading from the infected uterus cannot be wholly controlled by lightures? 5. The physical resistance of all cases of puerperal infection is far below pa fact which makes us cautious i adding further t their burdens. might well rob them of the little resistance they possess. 6 Little dependence ca he placed upon serum and vaccines in these cases. 7 Whatever may be the view on the question of lightion of veins of upon the diministratio of serum and vaccines, all are greed that the body resistance may be supported by fresh air and nourishing food.

MISCELLANEOUS

Trussig Factors in the Formation of Skin Striations During Pregnancy T Am Greec. Ass 9 3, May By Surg, Gymec & Obst.

T using said only thirteen out of sixty primipure ere free of skin striations. Skin triations occurred most frequently at several points and usually made their tirst appearance about the 6th or 7th month of gestation in girls nder so years of ge they were decidedly more propounced and more frequently found the us older omen. Obesity particularly rapid nervase eight during pregnancy predisproted t the formation of strue especially those about the breast and thighs Lack of abdominal support during pregnancy as in those who wear no cornets I voved the formation of abdominal struc. On the other hand the tense and inelastic skin in which och strue ere found as t some extent factor in subsequent abilioninal relaxation. At any rat abdominal muscula relatation and belominal skin striction went hand in hand. Perment tears had powently no relationship to skin striction. Finally the persuscent employment of proper six massage ould in the great majority I cases, nee cut the formation of the shirbtent skin triations.

Fry Demonstration of the Infant Fulmoter with Remarks on Its Use 1 th Treatment of Asphysis Neonatorum, T des Guer Ass. 9 3, 11 7 By Sun Gyaca & One.

The uthor said the introduction of the infant solmotor int obstetric practice was so recent that he had not been able ! collect any statistics of the val of the pparatms. Certainly it as vastly superior for resuscitation t the ordinary methods of rificial respiration. He had had no opport mity to test it in sections form of suphyxia, the so-called asphyma pallida, but in the lived form t had cted promptly nd remoditated the infant in about five minutes. Edgar gald be had used the piparetus six or seven tunes in both asphyxia pallida and livids. The results ere good, much better than he had anticipated because at first he was doubtful of the value of the pparatus Communication from Rochester eported the use of the pulmotor in five cases. In Case it was unsuccessful. There was no beart ction detected hen the infant was born. I Case 4 it was hiewise assocremful, but there was no mention of the heart ction. I Case the infant was born ith marked ambysia, but cardiac pulsa tions were detocted. The labor had been prolonged but was terminated by mid-forceps polics tion. The ordinary methods of resuschation were employed for ten minutes without results. The

pelinotor restored III in ten minutes and the infant lived. Case y. Proconcord supplying of the infant with heart action. After failure to resuchtsia, the infant breathed after there or four minutes of the application of the apparatus. Case y. A labor of thirty-tax or forty bourn distribution was terminated by thirty-tax or forty bourn distribution was terminated by thirty-tax or forty bourn distribution was terminated by thirty-tax or the supplier of the pelinotor. The heart action was slow eightly to interly per munical tharty minutes before the use of the pelinotor. The heart action was slow eightly to interly per munical thart forty to slaty minetes use (I the pelinotor the infant breathed, but died I home afterway the existence of I uncertain pressure. Editors to respatations of I uncertain pressure.

as these was any serial random. In discussing Fry a paper Endas stated that he believed he had the first Dracter infant persont that came in this country it was nove than a tent of the country it was not the country of the country of the paper in the p

as ready for use in every operative case. They had had several cases in his flucturated the value of the matchine but as I'py had said, the Inspiratory force should not be our sey t . If thought or contineeters of force as sunfaciently high. Although the had make no autospoint of propers it, he helicited there was some histolicood of request or travels when the high contineed of the contract of the contract when the high contract of the contract when the con

Polax stated that he would like t ask Fry if the pulmotor could be attached the ordinary oxygen task in case of emergency. Fry replied that they had an extra ttachment so that it could be put on a ordinary virea task.

Dearan Etisiony Symptomatology and Surgical Trestment of Meningest Harmon rhages in th New born (Edologic, symptomes et truttement chicagosal des bissoringies medianes

du nouvenu-né). Arch per d. chir., 911, l., By Zentralbi, I d. gen. Gynth. n. Gebortsh. n. d. Grenzgeb.

This paper discusses, principally the surgical therapy of meningeal hemorrhages in the new born. The profuse harmorthages are generally productive of alarming symptoms. It is ery important to study carefully the cases of hemorrhage producing triling symptoms as these ma be followed by preparable injuries. The correlation between labor and meniogeal injuries has probably remained anrecognized to date because so long time sometimes several years, may elapse before any disturbances are manifested. MacMutt first called attention t the concurrent meningral cicatness with Little a disease. Hutland suggested humber puncture in all asphyriated new-borns meningeal harmor thages ould then be found much oftener Etiologie factors re narrow and rigid vaging all bnormalities that prolong labor as malpositions and instruORSTETRICS

mental extractions (these according t Gowers, produce harmorrhages in so per cent i the cases) the size of the child's head the degree of ossification nd like conditions. The hemorrhages are also found in cases without trauma e. g in classical Cararran sections, due to the fragility of the blood resels so common in hereditary taints (yphflis, alcohol) Wa must differentiate between spontaneus hamorrhage and that produced during labor He-northeres in children are nearly always venous and occur most irequently in the subarachnoid veins During labor the veins are torn either on account of injuries or increased blood pressure. Such hemor that me are most frement in babics with soft, poorly conford akulla that give noor protection t underlying brain secondly in cases of rapid or ndden blocking or damming up of blood in the veins which is mechanically produced by auchyria. These re the enontaneous hemorrhages. A third etlologic factor is doubtful, vis., can the sudden burnting and emptying of the bag i waters reoduce hamor hage by negative pressure (or absence of counter pressure)?

The symptoms vary in a marked degree. Some times the babe is evanotic when home if treated acientifically t once, breathing is established but the child does not cry and, if not stimulated arti-Scially breathing soon ceases and the child dies.

In other instances, resuscitation is successful and the child crees but remains passive and will not take to the breast nor awallow. After s 1 4 or 5 days symptoms of akull compression, epileptic to vul-sions, even Jacksonian epilepsy rigidity tremors or convulsions appear Occasionally such symptoms will ppes after a few days (up to the 6th day Murphy) in babe that appeared to be the picture of health. The pulse drops to 90 and the respiration is superficial, rapid and often irregular. The tem perature chart is fairly accurate in the prognosis of these cases. If in the first few days, sught but persistent elevation of temperature is observed, the babs will live is most cases provided there is no infection. Elevation of temperature may be the only symptom of cerebral pressure. Hemocrhage pear the sulcus Rolandi produces t first circum scribed symptoms, monoplegia, often motor dis-turbances, tremors, convulsions, and finally affects only one of the lower extremities The general health is impaired early. If the condition begins to improve, the life if the patient is no longer threatened, but later mental defects may pres Permanent defects at the base i th frontal r parietal lobes are followed later by epilepsy Little' disease strabismus, dealness, defects of speech. facial paralyses, and many other pathologic con ditions. It is very important that an early diagnosis of intra-crasial hemorrhage be made as the success of therapy depends upon immediate ction

Formerly treatment consisted of the pullcation of lacches t the processes mastoriens, baths, chloro-form and ether inhalations, and later fumbar puncture which does not always produce the desired

results. Finally the advice to operate came from America. Chipsult suggested trephining the skull and incising the dura mater The operatio is simple and of short duration. Cushi g was the first t perform this operation in 1903. He had nine such cases, of which four were absolutely successful. The operation was done between the second d the twelfth day Three times it was necessary to do the bilateral operation. Technical details of the opera tion are described by the author Seltz modified the operation by opening int the dura mater at the lowest point possible. Simmons avoided trenhining by making a short curved incision from the farge fontanelle along the anterior superior border of the parietal bone. After dividing the fura, the blood clots were removed. As a preparatory treatment be gives a injection of 30 cm. salt solution several times. This procedure was specessfully employed by Gilles (Toplome) in case after lumbar repetut falled. If serious symptoms occur later one can slways resort & trephining The surgeon should employ the methods in the following order Lumber puncture if no improvement is noticed the fouts nello incision should be made while the dura is still tense trephining the skull should be considered last of all. C. Zweifel.

Rice Chorionic VIIII to the Uterin, Wall If Yours after the Last Pregnancy Am J Ohn, V Y
9 2, br.d. 415 By Sony Gynes, & Ohnt.

Ries in this article gives complet history and microscopic findings in a case which he operated 8 years after her test pregnancy for multiple fibroids of the atems. Protracting from "ein on the cut statiace of the cerviz of the uteros, which was removed supravaginally was fine thread-lik string, which upon dissection could be traced a far as the cornu of the uterus. Microscopic exam ination showed wein filled with villi which had undergone byaline degeneration and which were covered ith single layer of endothelioid cells. The rest of the uterus, except for multiple fibroids. presented unusual morroscopic changes. Ries draws tiention t this case of benien survival of chorioms will for so long a period as of importance in the probable explanation of chorio-epithelioms in the promote the pregnancy at times remote from pregnancy Spaner Haustre

Leonard Th Difficulty of Producing Steriffty by Operation on the Fallopian Tubes. Am. J Cha N 1 9 3 lavb 443. By Sara Gymec, & Obst.

Leonard review the various proposed methods of producing sterility by operations upon the tubes and relates the reported instances of pregnancy following the various operations, reporting two cases of pregnancy occurring after ligation of the tubes. He concludes that, classically and experimentally the wedge-shaped excusions of the uterine ends of the tubes has been the most satisfactory means so far devised. N SPROS HEARTS

Rouge The Use of Forth Screen to Gross the Onset of Labor J. F. S. J. M. E. J. E. 112. Sy Copp. Grown & Obst.

The orbit review are extended of Vin der Herde who was the first one forth section of the bodottion of their and for never a section as the bodottion of their and for never a set for their and for their control of their and their control of their c

Ann der Heide constant his reachts in reference to be omset of histor as an augherhite reacht. He thruls that normally the birth art is brought shout but he side ver transmission of tertal substantia into the blood of the to, ther, which give rise to the formation of authorities—histories—as to terms them. Toward the end of praintion these substances are transmissed to the labed of the mother in curvatur movems. That there is adding of these substances are transmissed to the labed of the mother in curvatur movems. That there is adding of these substances are transmissed to the labed of the mother in curvatur movems. That there is a design of these substances are transmissed to the labed of the mother in curvatur of preparancy and also by the nanora results obtained by the frieting of foreal events in bortis."

C. H D va.

Paris Hypophysis Fatract in Obstetrics (Lescrato bolimbics operates). General sept. declin. Milmo.

By Zentralle & of gree Cynals, as Gebornal, a. d. Gressenb

The indications i it administering the extract are atonic harmorrhams and weak paint. The experi-ments did not correspond and hence opinions dif fered, owing to the incommuner of uterine effects that were often overshadowed by the secondary effects such as discomfort, tinnitus auricum, fear etc., and, objectively as albuminuria and even eclampaia. Uni vorable flects upon isbor pains were infrequent; sometimes the uterine contractions were turnaltuous or tetanic, threatening the His of the babe in utero. Rarely there occurred atonic hemorrhage an hour after labor due, no doubt, to the relaxation of the musculature following the artificial stimulation. Hamm-Rieck found stricture of the internal os resulting from the injection. Eisenbach found the results not to be uniform in consequence of the different dosages, indications and sensitiveness during the various periods of gestation. The response is greatest towards the end of grafation and almost negative during the first half different parts of the gland are different in their effects. Pituglandol Roche contains a gland substance in ce. doss 1-2 cc. intrams-cularly nest in one or more hours. If the contractions comes, become weaker or less frequent, the anthor gives grouper doses repeatedly I thirty cases Essenback found the labor pains to be of physiologic char acteristics never colicky nor turnsituous, though

occasionally the uterus emained tense during the interval, but never was there cause for axiety

The function was there cause for neity and the contract of the

Elsenbach claims this preparation to be efficiency and recensary as in mercon case of storic kern ornhape results were rapidly obtained. Meany made report were recorded to all cases and, when these failed, pringinated was lajecte with good report. The author endountly economends phalanded, especially when ergotts talk. Elsenbach app. I this phanded was infainted in producing labor app. I thing handed in our infainted in producing labor app. I the phanded in our infainted in producing labor perparation and the product of the control of the property of the control of the control of the section of weak contractions and often prevents the application of correspond other artificial means of delivery. Alor then is not induced. The setting is specially indicated in another homorphages. Branaryou.

Edgar Pitultary Extract in Uterine Inertia T Am Greet Art., 9 p. May

By Stor Grant, & Ohst. Edgar reported seventy cases of which records had been kept, and these cases were from two hospital services, namely Bellevus and Manhattan Maternity and from private practice. They included in the first and second stages of labor thirtynine cases immediately after the third stags, nineteen cases in Createan section six cases and for the induction of abortion six cases. He drew the following conclusions Ampules or vaporales of the drug should sione be employed, as in his experience constant results falled when the pituitary extract in bulk solution was used. z. There were three reliable proprietary preparations of the drug now on the market all of those were used at dif ferent periods in his cases. 3. For decided action o.s gram of the drug was mostly called for although in ordinary cases, with little obstruction, half that dose was found sufficient. 4. As the effect of the drug lasted but 30 minutes, repetition of the doss was often called for 5. Intramuscular injection was usually satisfactory causing no local reaction or pain. Further no toxic symptoms were observed from the tee of the drug even in maximum doses. 6. Pitultary extract might be combined with ergot when the action of the former falled, and with heart stimulants in shock cases, without communising the actions of these drags, 7 Pitultary extract had no place in normal labor; the administration should be confined in obstetrics to instances of primary and secondary inertia, to post-partum

hemorrhage and Casarean section in the last as a animitiat for ergot. 8. The drug produced strong intermitt t uterine contractions often prolonged for several minutes. He had never observed true continuous tetanic uterine contractions (tetanus uterl) o. Although theoretically the uterine contractions were intermittent, practically in the face I renstance, the contractions approached to the co tinnous in character and clinically might be so reckoned with. o. Full and even small doses of the drug in the first stage I labo had caused in his cases fatal compressio of the fortes, premature separation I the placents and deep rupture of In the first stage or where some the cervix. obstruction existed in the second stage he gave small tentative doses of pitultary extract not with complete delivery by means of the drug in view but to bring the head within easy reach of a simple forceps operation. Seven of his thirty-nine cases were thun treated. 2 Pituitary extract acted promptly and efficiently in most I the thirty-nine cases of inertia in the second and first stares. Its actions were more positive in multipara than in primipars it acted better at full term than in premature cases also better in the second than first stage of labor and when administered shortly after the spontaneous artificial repoure I the membranes.

In the eighteen cases in which the drug had been used immediately after the third stage for post partum beamorthage for to inertia, his results were disappointing, so much so that he considered its action here most unreliable and not as positive as

the ergot preparations

In distincen post-partium cases, he found no effect of the drug in two cases it was necessary to use ergot in two instances hot scotic acid douchs in two more, to pack the uterus in seven cases, and in the remaining aix cases only were good efferine con-

tractions observed.

14. In Caparean section be could not observe any advantage of pitultary extract over ergot, side from the observation that the former acted more promptly and hence need not have been admin-latered so early in the operation. 14. In induction of labor the drug failed to initiate contractions, but apparently initiated them after the use of gause, the bougle or hydrostatic har for inducing labor. His bellef was that the drug strengthened already existing contractions not yet poarent to patient or physiclan. 15. For primary mertia in abortion cases his results with the drug were disappointing. For atony f the bowel and bladder and as a raise tagogue his results were trankly negative. 17 The dangers t mother and child in the indiscriminata administration of this drug for primary or secondary inertia of the first or second stage of fabor

must be recknoed with.

Only a few of the thirty-nine cases of inertia were frankly in the first stage of labor and these were earlier cases. The remainder were of the second stage, or borderline cases just merging into the second.

stage, o

He considered the use of the drug in the first stage a dangerous practice, liable to cause death or deep amplyris of the forces, separation of the placenta, uncalled for laceration of the cervix, and possible uterine rupture 18. Of his thirty-nine cases of inertia in the

first and second stages, he had to report two and probably four stillborn children deaths due, in his opinion, to the use of pituitary extract before full dilatation and three instances if deep laceration of the cervix requiring suture to control the bleeding o. He looked upon the use of pituitary extract before full dilatation or dilatability of the cervix as equivalent to the use of ergot at this time. In fact it was probably more harmful than ergot, by reason of the more powerful contractions produced and the uncertainty of its action, so He had repeatedly beerved prolonged temperatuous contractions, when the drug was given in the face of too much resistance closely simulating tetanic con tractions of the uterus (tetanna uteri) 1 action of the drug was most uncertain. One could never product in a given case, either from the amount I the drug administered or from the character of inertia and the obstruction to be over come, how powerfully the drug would act upon the eterus. He had repeatedly observed both in private and hospital practice of gram of pitustary extract, half the usual dose commonly em ployed, produced such prolonged and powerful uterine contractions that pterine recepter was imminent and anexiberia was required to control the action of the drug on the uterus. 3 In his opinio the drug should never be employed for inertia in any stage of labor unless ansesthesis was

for the treatment I primary and secondary inertia.

Bobri Arsen bensol in Obstatrica (L'anérobeand
ca obsétingse) Assad marcha, Par 1913 via 55.

By Zmirajbl I d. gra. Gyakk. u. Geburtah. a. d. Grengale.

t hand (or immediate use, and preparations complete for immediate operative delivery, if necessary to avoid uterins reporter as, Finally with due repord it its articles, and possible dangers, pituitary extract was a most valueble addition to our resource extract was a most valueble addition to our resource

At the fifteenth Congress f the Obstetric Society of France the author presented review f the reports on salvarum therapy in obstetrics. Sauvage, according t the observations of his own cases and a study of cases collected from the literature (142 cases in all) is very reserved in his opinio regarding the ments of this remedy and does not intend discontinuing the old mercury treatment. Sawvage employs the new method only in cases not benefited by the old treatment, and mentions the manifold disturbances caused by salvarsan treatment, especially its fil effects upon the liver and kidneys. Chambrelent tabulated all cases reported to date of children treated by salvarsan therapy The results of indirect treatment, viz., by the milk of mothers injected with mivarum, are not at all satisfactory as in most cases relapses have occurred. Salvarsan

according 1 Royang (61 - Hers per day) is admissible Au uninary anterpres said in large doses is given (a to g sm. daly). In spile of the presence of phenol in the urine no resal lesions or disturbances have been noted, and no miscarripe perdeptated. Instead unterspan in large doses may be advised (a to g sm.) especially in after treatment. The period of the period of the period drug. In seven cases the patients were 1 sex in bed on the back and not to turn on the side.

ther noted no influence from vaccine treat ment tried in two cases. The great majority of acute pychtis cases recover on this mode of treat ment, though t may require several months and after repeated recurrences. Ureteral catheteries tion in the cut stage is medicated either with or without lavage of renal pelvis, only in the presence of intense consession, severe pain and poor general condition of the putient. Its use in the subscrite type is recommended when the fever does not spontaneously disappear. With this condition as indication, Oppenheimer catheterized the areters in three cases with excellent results, while during the sents stage he made use of the procedure but once, and then without any benefit. Lavage of the renal pelvis is uncertain permanent drainage for fourteen days is recommended. While the author does not consider nephrotomy harmless procedure when other methods (all in severe cases it must be resorted

Erublechoff The Pathological Physiology of Renai Decapamiation and the Indications and Courts indications for the Operation. Am. J. Ural. 19, 3, 12, 35.

By Surg. Oyucc. & Obst.

The athor reviews concludy the pathological and experimental work bearing on renal decortion tion, its effect on the renal tissues and the resulting physiological charges, concluding with indications and contra-indications for the operation

He does not support Edebohl's theory of the pathology L that regeneration and proliferation of renal epithelium occurs, besides neovasularies H points out that chinically there are often striking immediate results, such as cessation of pain and hematuria, meresse in diuresis, etc. He mentions I boulay' theory of vasomotor change in renal vessels resulting from stretching of the sympathetic nerve-fibres in the pedicle. While Clande and Bulthamed have shown experimentally that the proportio of ures and salts excreted are increased, he beheves it is generally agreed that this is not due t actual increased blood supply but, according to Mongour as the result of lessened intravenous tension and consequent rise of arterial pressure within the kidney causing improved elimination

The ulterior effects, cosmitton of orders and diminution in amount of albumen re not constant but beart and eye conditions are usually benefited. There is no evidence t: support the fear that status trunche may arise from the contraction of the per I med expenie or thesions about the kiney Excepting Edebolish, there are no case reports tredieg to show the operation to be curative. To also the least it merely to be pullative by least-a flow believes it merely to be pullative by least-and the pullative state of the pullative state o

He mentions inductions for the operation in acute and chronic cases, and discusses briefly the question of unilateral or bilateral decordination, and the use of renal sufficiency tests in diagnosis of the lexion.

Pousson Contribution to the Surgery of Naphritides (Behrs; sur Chlumps der Naphritides) Reil. Mis. If chance 9, 1, 1, 31. By Zantrakk, L. d. ges. Chir. u. i. Germach,

In order to place the surgical treatment of the perpentition on broader basis in the future, it is necessary to establish the indications and contra tedications exactly haphrotomy removes the intrarenal tension, further it relieves the organ by the copious hemorrhage, through which microbes, necrotic epithelium blocking the urinary tubules and toxines are swept away and, finally the various someta are removed by the prolonged drainage of the privis of the Lidney The effect of splitting the kidney must be considered in both forms of scate nephritis, the torne as well as the injections. Sur gical intervention is urgently required when interest remedies, as dinretics, venescritos, etc., fall and her in addition to fever with severe general disturbence diminstion in the quantity of trine secreted takes place. Asphrotomy must be considered first then decapsulation not nephrectomy because the kidney as an excretory organ, even when hadd diseased below to eliminate toxic-infectious bodies from the organism. Among the chrome nephritides the painful forms will be the first discussed. The pain originates partially from the pressure exerted by the scierosed capsule on the organ, partially from the congestion of the parenchyma produced by the morbid process. The painful aephritides are only exceptionally Bright's, more often they are caused by nephrolithiasis, inflammatory affections of the adness, trauma, etc. Among the operations to be considered for this form of chronic nephritis pref erence must be given to nephrotomy, which may be combined with capsalactomy. The hamaturic perheitides are characterized by being mostly par-tial i.e., the process is confined to small areas of the pereachyms. The circulation is disturbed by these cures there is a stasis of blood in the expellance and canals, which really leads t rupture of the atrophic and diseased vessels. Here also nephrot only can regulat the swelling I the parencayma. Pousson secured more favorable results ith it than with rephrotomy The chronic ephnities, which are complicated by severe and threatening symptomatic accidents, and in which, therefore, pulliative

treatment should be instit ted present the three chief symptoms cedema, unemia and oliguria, either singly or i various combinations. Among 53 cases treated by operation sixty three operation deaths are to be recorded, i.e., a mortality of 4

per cent.

Of ninety cases, twenty four died after an in terval of three months t t years from accidents which must still be brought in connection with the chronic nephritis or from recurrences those operated for unemia remained alive for the longest time. Sixty-six are living and were observed over larger intervals. The operati e mortality is the least in patients suffering ally from ordense, ad the greatest when urcemia and oligoria without ordema are present. A middle place is occupied by the cases with orders and uremia, which are still favorable, compared with those presenting all three symptoms. Among the sixty-six observed for longer time, there were registered twenty-three markedly improved, twenty five improved, three slightly improved and six without improvement. The ocula disturbances in the course of the disease must also be considered among the indications, as functional disturbances do not contra-indicat operative interference, while in the presence of anatomical changes an operation must be considered with great reserva. Further contra indications are myocarditis, atheromatous degeneration of the larger vessels, and severe pulmonary phenomena Decapsulation was carried out in the majority of cases but even here perhrotomy is justified, potably The question, in severe premie mtoxication whether operation (decapmilation or nephrotomy) can provoke healing of the morbid process in the kidney Posseon would answer in the negative t any rate the relief of pressure in the organ compensatory hypertrophy of the produces. uninjured areas

Henachen Nephropaxy by Sospansion with Transplanted Fascia (Rephropais vermitties transplanted Fascia (Rephropais vermitties transplanted Fascia College (Spirit States) Arts f Mis. Che. 9 J. c., 951. By Zentralbi. f d. ex. Chir. 1. Greazgel.

Henchen has dereioped a method of operation to foating idden which obtains the disadvantages of unpolar fination. It consists in emveloping the organ in large non-pedicife dipt of facis has. He employed this procedure in our case with success in a part of the process of the constant of the process of the process of the constant of the process of the constant of th

NORDSEARCE.

Legueu Th Clinical Valu and Interpretation of the Constant of Urea Secretion (Valeur dissipaet Interpretation de la constanta urfo-action) J & Urel., 9 3, il 250. By Journal de Chirurgie.

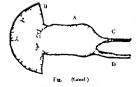
Acquirits, usually f a mi ed type, is present in all cases of obstruction of the lower urinary tract there is also a varying degree of arterial hypertession in the blood there is an excess of nitrogen or chlorider, or both

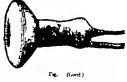
Lerucu dwells upon the symptom-complex due to nitrogen retention in the blood, and shows the value of Ambard's constant of area secretion and how it completes the dosage of the blood tres, and how it must be interpreted in surgical work. This constant is based on the following laws of urea excretion, as set forth by Ambard () When kidney eliminates area under a constant concentration the output varies in direct proportion to the square of the urea concentration of the blood (s) when, the urea con centration of the blood remaining constant, the concentration of the extreted area varies, the area output is in inverse proportion to the square root of the area concentration of the blood (3) when the area concentration of the blood and that of the urine both vary the urea output varies in direct proportion t the square of the urea concentration of the blood, and in inverse proportion t the square root of the area concentration of the urine.

There is, therefore, in all individuals, constant proportion between the urea content in the blood and the acreare root of the urea output which proportion is the constant | area ecretion | Said constant is normally bout 0.070. When the power of ures excretion of the kidney is impaired, it rises and approximately reaches o, oo in individuals having lost about half of their excreting power There figures are accepted as basis for the clinical interpretation of Amburd constant. Other pathological conditions lower the constant, for instance, penhritis of the dropalcal type (called by French authors hydropizenous) and albuminuria Consequently a lowering of the constant is almost as important as a raising of the same and a figure markedly below yo is suggestive of hydropigenous nephritis. In renal surgery the study of the constant of urea

In real surgery the mody extension spinning the real surgery the mody represent constraint of urea secretion is all public for spent constraint of urea secretion is all public for spinning the model of the result of the public forms of the result of the

The same constant affords valuable data in the Beam constant affords valuable data in the Beam constant affords and particularly some of the lower entary trust and particularly some set of deciding for or sapilarly positions from the first particularly some set of the same constant of the same set of





subcutaneously administered has not yet shown satisfactory results. The maximal dose is o- 5 milligrams fashraras per kg of body eight. The intravenous injection is too dangerous in children. Fabre and Bourret lao believe that the old mercury treatment should be continued, but recognize salvarian as a valuable ddition to medicinal gents f coping with lies By combining salvarias with mercury and sodine therapy syphilis is more energet ically tracked and more speedily improved Tho gh the hidre of mothers treated ath salvar san manifested to symptoms of syphilis during their short stay t the link yet relapses occurred tater coording t the investigations f Lemciand and Brisson. These beervers claim that neither salvarian nor peoulivarian re will adapted for general peactice owing t the difficulty of dministration stc. Bur records few f worable results and has had unfortunate experiences. The most calebrated French batetricians do not subscribe to the dermatologists thusiasm for salvarian.

Good A New Obstetrical Rubber Bag. Surg. Gynec & Obst., 9 3, xvi, 320 By Surg., Gynec. & Obst.

PERSON

N longer on there be any doubt as at the efficiency of the tribber bug in distilling the partitions corruit. A rubber bug filled with water exerts an equal pressure in every direction, consequently it is the nearest pproach to the annihotic bug of waters. The author feels that the ideal bug in one that will

The author feels that the ideal bag is one that will arent an equal pressure everywhere (pressure on both the entire tervit and this lower tenins segment) that will not displace the head, and that is easy of introduction.

Fig. show the bag before it is filled with water it is mushroom-shaped and has t separate compartments. Compartment A is for cervical pressure, and compartment B for pressure on the lower terrhe segment. T be C is for filling compartment A, and tube D which russ directly through compartment A, is for filling compartment A, is for filling compartment.

Fig. show the bag ith both compartments filled with ter Compartment A is 3 inches long

and 35 inches in diameter. Compartment B is 315 inches in diameter and 35 inch from its base to its top, thus canning but little displacement of the head. This bag has been used in several cases with excellent results.

McDonald Diagnosis of Early Pregnancy Am.

Med 9 g xiv, 69 By barg Gyner & Obsz.

The whoe believes that the most important eigens from hich early preparacy is to deduced are those found on vaginal cambasilion. These he divides in t. groups Ferst, the congrathe signs blesh and flush of the vaginal smooth, blesh and offerman of the cervits. Second, the blesh and offerman of the cervits. Second, the state of th

A table of co cases arranged in percentage order

gives the frequency of the above aigns in the early weeks and m which weits they most often appear. In the congentive or jucqueend a sign the whocalls tremion to the fact that the vices post appear farst on the anterior regional wall boort. thumbs a breadth above the orrection. The certical beam appears above the rection of the contract of the appears above the contract of the contract of the property of the contract of the contract of the above the contract of the above the contract of the contract of

in wards. The early enlargement of the internals asymmetrical in pearly one half the cases before the serventh week and only sufformly enlarged at the tenth week after the less period. The eterns taken on a soft doughty consistency with hard better-like spots in it. These spots disappear to the tenth week.

The author' sign of fertilitity of the intimes. On Hings Sign of Prepancy as McDoudd calls it, is present in op per cent of his case recorded. Telletit, the hidder is fine empired completely then the fundor in brought (opward with the abdoundand. The various) hand, presses upward and forward on the certit, the inthinus in early perpancy bending easily so that the uterus on evertimary lie practically add by side. Flestfility of the inthinus is in tested a expression of this sign.

EDGETTE CAIRS.

GENITO-URINARY SURGERY

KIDNEY AND URETER

Ca ik Incrustations of the Recal Pelvis and Urster T Am. Art Gamis-Urin Surg. 0 3. May By Surg., Gymec. & Obst.

The author presents four cases of increstations with calcium salts along the upper urinary tract. In the first case these were located around one of the renal papille in the second, they lined the posterior wall of the pelvis, and in the third, an increatation about one and one half inches long was present in the upper preter and one, bout three fourths of an inch long at the jurtavesical ureter. The author starts with a brief review of the causes of calcareous infiltration, and states that the great majority of authors agree that necrosis is the prime factor in such formations. Among the predisposing infuences are mentioned such diseases as typhoid fever diphtheria cholers, auto-intorications, scierus, eclamosia, gort, and diabetes. Poisons which may predispose t this discuse are cantharides, corresive amblimate, chromates, oxalic acid aloin afrectin phosphorus, aracnic and vinylamin.

The rationals of the deposition of saits in the area of nerrosis is not definitely exabilished. Various theories are the presence of it ty ackis with which the calcium may form insoluble soaps, and proteids capable of matten with calcium and phosphorus, have all been advanced as determining factors.

The cases within the renal pelvis were disgoosed as seal calculus and the true nature of the lesions was only determined at operation which was nephrotomy. The athor believes that ephrotomy is the operation. I choice in such cases, as pyrelotomy would not provide sufficient exposure to insure

the complete removal of the increstation.

The disposis if the uncertal cases was made in the following points First, a laint X-ray shadow second passages of crushed eggibell like material, dater manipolation with the uncert cataleter third, passage of the catheter through the obstruction, relieving the patient of symptoms, X-ray shadow still perinking and finally the disappearance of the handow after several manipolations with the uncertainties. This seems to differentiate the true formulation from calculus or andy impaction,

in the treatment I the incrusations along the unter the witco mentions three procedures. That, the exposure of the nester and opening it along the whole length (the mercatation and removing all of the anterial under the guidance of the eye and the state of the eye of the procedure of the state of the eye of the eye of the eye of the same and the eye of the eye of the eye would be extremely gave and in all probability propherctomy would have to the final same. The

second procedure consists of opening the ureter and by means of a small blust curette which is introduced into the lumen, removing the calcurrous material. Third, removal by means of the ureter eatherer. This last precedure is believed to be the method of choice, I least it should be given a trial before more radical measures are attempted. By this nothod the author was able t remove completely the incursations of the two cases reported.

Opponheimer Pyclitis (Die Pyclitis) Zische f ursi Chie g s. i. y By Zentralisi i. d. ges. Chie u. i. Granageb.

Oppenheimer details exercially the pathology of pyrelists after observation of occuses, seventy-size of which were under his care. In the vast majority of cases the cult begins as a present in two instances a new finding was noted inamuch as the bacterium fecalisom ackligence was isolated. In regard to the manner of infection Oppenheimer suggests the following rootnions.

If remote pus accumulation is considered t be the source of infection, the infection of the renal pel is takes plac via the blood stream. Such is also the case even when the original source of infection is unknown and where there is an obstruction of the ureter high up and the distal part of the urinary tract is found negative. In case of inflammation of th lower prinary tract (trigonitis) with changes in the areteral rifices, esp. in lower placed obstruction t the ureter then an ascending type of infection is probably present. He detalls further symptoms. tology course and diagnosis of the various types of pychtis the unusual gonorrhural, the pyclitic follow ing intertinal disturbances, pyelitis as an effect of stuprum, and pyelitis of children, especially that of fittle girls. While ascending infection is possible Oppenheimer considers the descendig type as more likely t obtain in the majority of cases masmuch as cystills is often absent. T cases were observed after infectious diseases. In regard t the pathorenens i pychtis in pregnancy Oppenhelmer be lieves that infection is of first importance and passive congestio of secondary consequence. Therapeutically the following fundamental principles; ere followed

Every cut prefilts is 1 be treated conserve treby unless there is some default reason others ise, namely by rest in bed, the use of large amounts of fidels and wintry anthered to Goose of HECL For the first week making of the other trebs. The For the first week making of the other trebs. The first the first week making of the other trebs. The first the first week making and the other trebs. The first the first week making and the other trebs. The pattern treating diet. The pattern trends bed I to days first all ferer has dispersared Forced units of fluids. according t Rowling (6. to litters per day) is admissible. As unmary antespelle said in large doses is given (a to 5 gm. daily). I spile of the prevence of phenol in the unite, no renal lesions or disturbances have been sorted, and no miscarriage per optisted. Instead unteropin in large doses may be optisted, Instead unteropin in large doses may be optimized to the property of the period of the Detter results than the afore mentioned drugs. In seven cases the patients were to rest in held on the beck, and out turn out the side.

thor noted no influence from vaccine treat ment tried in two cases. The great majority of cute pyelitm cases recover on this mode of treat ment, though t may require several months and after repeated recurrences. Ureteral catheteries tion in the acut stage is indicated either with or without lavage of renal pelvis only in the presence of intense congestion severe pain and poor general condition of the patient. Its use in the subscute type is recommended when the fever does not spontaneously disappea With this condition as indication. Oppenhelmer catheterized the aretera in three cases with excellent results, while during the scut stage he made use of the procedure but once, and then without any benefit. Lavage of the renal peivis is uncertain permanent drainage for fourteen days is recommended. While the uthor does not consider nephrotomy harmics procedure, when other methods fall in severe cases it must be resorted Emer

Erisbiechoff The Pathological Physiciogy of Renal Decapolation and the Indications and Contra-indications for the Operation. Am. J. Urel. 9 3, in. 38. By Surg., Cymc. & Obst.

The thor reviews concisely the pathological and experimental work bearing on reval decortication, its effect on the renal tissues and the resulting physiological changes, concinding with indications and contra-indications for the operation

He does not support Edebohl's theory if the pathology i. e., that regeneration and prohieration of renal epathelium occurs, besides acovasularira If points out that chrocally there are often striking immediat esuits, such as cessation of pain nd bematuria increase in diarests, etc. He mentions Jaboulay' theory of vasomotor change in renal vessels resulting from stretching of the sympathetic nerve-fibres in the pedicle Claude and Balthagard have shown experimentally that the proportion of urea and salts excreted are increased be believes it is generally agreed that this ctual increased blood supply but, is not due t according to Mongour is the result of lessened intravenous tension and consequent rise of arterial pressure within the Lidney caming improved

The ulterio effects, cessation of cedems and diminution in amount of albumen vs not constant; but heart and eye conditions are usually beautied. There is no evidence to support the fear that feature trouble may arise from the contraction of the net formed capacia or adhesions bost the kidney Excepting Edebols is, there are no case reports tending to above the operation to be untaine. The nation believes it mentity to be pullative by lessen that the level of the pullative by lessen and the pullative by lessen the pullative by lessen to the pullative by lessen the pullative by lessen superachied to the operation of the pullative by lessen were arrest the rest it on of the raphitic peculos.

H mentions indications for the operation in acute and chronic cases, and discusses briefly the question of unlikeral or bilateral decortication, and the use of renal sufficiency tests in diagnosis of the letion. H. Buosay

Peceson Contribution t the Surgery of Nephrit tides (Satrag sor Chiraris der Nephritides) Berk. Hist. Waleschr. 913, 1, 381. By Zestrafel. L. d. ges. Cirk. L. Greneph.

In order t place the surgical treatment of the nephritides on a broader basis in the future, it is necessary to establish the indications and contra indications exactly Vephrotomy removes the latrarenal tension, further it relieves the organ by the copious hemorrhage, through which microbes nacrotic epithelium blocking the prinary tubules and toxines are swept way and, finally the various secreta are removed by the prolonged drainage of the privis of the kidney. The effect of willting the kidney must be considered I both forms of cuts nephritis, the toxic as well as the infectious. Sur gical intervention is organity required when internal remedies, as discretion, venesection, etc., fall and hen in addition t fever with severe general disturbance diminution is the quantity of urise secreted takes place. Nephrotomy must be considered first, then decapsulation not nephrectumy because the kidney as a excretory organ, even when itself diseased helps to eliminate toric-infectious bodies from the rganism. Among the chronic rephritides the painful forms will be the first discussed. The pain originates partially from the pressure exerted by the scienced capsule on the organ, partially from the congestion of the parenchyma produced by the morbid process. The "painful nephritides are only exceptionally Bright more often they are caused by penbrolithiasis, inflammatory affections of the adnera, trauma, etc. Among the operations t be considered for this form of chroni nephritis pref erence must be given to nephrotomy, which may be combined with capsulectomy. The hematuric pephritides are characterized by being mostly par tial, I e., the process is confined t small areas of the parenchyma. The circulation is disturbed by these esions there is stasis of blood in the capillaties and canals, which easily leads to rupture of the atrophic and diseased vessels. Here also nephrot omy can regulate the swelling of the parenchyma. Possson secured more favorable results | ith it than with nephrotomy The chronic aephritides, which are complicated by severe and threatening symptomatic accidents, and in which, therefore pullistive

treatment abould be instit ted present the three chief symptoms, ordens, uremins and odguria, either singly in various combinations. Among 33 cases treated by operation, sixty three operative deaths are 1 be recorded, i. e., mortality of 4 per cent

Of ninety cases twenty-lour died after an in terval of three months to two years from acci-dents which must still be brought in connection with the chronic nephritis, from recurrences those operated for unemia remained alive fo the longest time. Sixty-six are living and were observed over larger intervals. The operative mortality is the least in patients suffering only from ordens, and the greatest when promis and obguris without ordema are present. A middle place is occupied by the cases with cedema and uremia, which are still favorable, compared with those presenting all three symptoms. Among the sixty-six observed for a longer time, there were registered twenty-three markedly improved, twenty five improved, three stightly improved and are without improvement The ocular disturbances in the course of the disease must also be considered among the indications, as functional disturbances do not contra-indicate operative interference, while in the presence of anatomical changes an operation must be considered with great reserve. Further contra-indications are myocarditis, atheromatous degeneration of the larger vessels, and severe pulmonary phenomena Decembration was carried out in the majority of cases but even here pephrotomy is jurithed, notably in severe aremi intoxication. The question. whether operation (decapsulation or pephrotogry) can provoke bealing of the morbid process in the kidney Pousson would answer in the negative but, at any rate, the relief of pressure in the organ produces compensatory hypertrophy of the uninsured areas. RUBBITATION

Hencethem Nephropesy by Suspension with Transplanted Fascia (Rephropesis remaining transplantive Bildong elser fassien Ashlegskness) And I bila. Cale 9 y c 90a. By Zentrall f d. gra. Chr n. I. Grenzeh.

Henschen has developed method f operation for floating kidney which obviates the disadvantages of unipolar fixation. It consists in enveloping the organ in a large non-pedicled flap of fascia lata. He employed this procedure in one case with success. The patient was slender woman, 32 years of are. A flap ro- 5 cm. was taken from the fascia late. This flap was divided in half by a longitudinal inci-sion up to its center here—hole was cut for the hilles I the kidney The (ascial flap was then folded bout the kidney and fixed by fine offe sotures. Finally the fascial flap was attached to the quadratus lumborum, the lumbodorsalis and the muscles I the posterior wall of the renal niche. The result was good and permanent, as could be ascertained at a subsequent examination.

Leguer The Clinical Val e and Interpretation of the Constant of Urea Secretion (Valeur Chileps et interpretation de la constante urfo-sécritofus). J d'Urel., 9 3 isi, 259. By Journal de Chirurgia.

Acphritis, usually of a mixed type, is present in all cases of obstructio of the lower urinary tract there is also a warying degree of arterial hypertension in the blood there is an excess of nitrogen or chlorides. both.

Lexuen dwells upon the symptom-complex due to nitrogen retention in the blood and shows the value of Ambard e constant of urea secretion and how it completes the desage of the blood ures, and how it must be interpreted in surgical work. This constant is based on the following laws of urea excretion, as set forth by Amberd () When a kidney eliminates pres under a constant concentration the output varies in direct proportion to the square | | the urea concentration of the blood (2) when the area concentration of the blood remaining constant, the concentration of the excreted area varies, the area output is in inverse proportion to the source root of the area concentration of the blood (1) when the ures concentration of the blood and that of the urno both vary the tree output varies in direct proportion t the square of the urea concentration of the blood, and in inverse proportion to the square root of the area concentration of the urine.

There is, therefore in all individuals, constant proportion between the cruse content in the blood and the square root of the area content in the blood and the square root of the area compet which proportion is the constant in the constant in the constant in the constant is normally about to re. When his power of a expression and the constant is a constant in the constant in the

In renal surgery the study of the constant of urea screenon is saif guide for operative indications and contra-indications. It is particularly valuable when screenal catheterization cannot be performed or when, after urrieral catheterization, there remains

doubt as to the value of the supposedly sound kidtory or when bilateral lesions are suspected. If the constant is above o. 20 the lesions are very likely bilateral if below o. 1 the other kidney is sound and nephrectomy is indicated.

The same contrast afforth a studie dats in the surgery of obstructions of the lower unionsy tree and particularly ben it comes to deciding for or against protestatency. Case of protest in preparations to contrast the protection of the three following groups () Those having high centrant soo or more the attropen content of the blood is also high, gm or more. These patients are inoperable t least

temporanily until pretion by treatment and debeing bout unprovement it. There ha has low constant to or less these re-good make provided the lo-constant he as tidue to concennit thydropictorous nephritis (3) Those hours on to verying bettern 100 and 0 50. What altrogene content it blood of about 40 t.

Here all cases the res list of the study of the count not of the secretion next be interpreted in qualitative properties and the secretion next be interpreted in qualitative properties namely allow me and detabance of the cretion of term. The constate safer in troutine Both known test of remit for xon. It do not have not controlled in the sole namely of years to controlled the sole state of the trouble of the secretion of the trouble of the secretion of the sec

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Strassman The I fluence of Collargol I Irc bea In the Storey stud the Ridney Petri (Der de In hang on Kollaryderspettmeren ast New NewBooken) Zicke | med. Chr. 9.3.1, 20 By Zentral I | dgs Cahr Grassreb.

Uter implosing Voelker and Von Lichtenberg disposition method of peeting he many tract the follarged to make to still by Naray Oekthecker observed area of accroses of a thorn index if small from in case. Bitch the renal paths in the laJoeted under rather high pressure Zacharisos found cat one sprarafteringeting beathly fidney Jewell reports enholic gingrene ed Echeben orderna of the killery. Rossled observed fatal case of collarged poisoning in p tient with harout ratard dutherd resulting in parreclamants a kern orthogen from the stomach, bowel and braze with steeling tait. Beerell davines. Microstope, exampeirs and institution of the underlying and real perior and institution of the underlying and real the best of the property precipitated as small dark brown clumps. The solution had presented the kildery titulus and had even reached the con-

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BLADDER, URETHRA, AND PENIS

Lidory

Woolvey Three U usual Gases of R pt of the Bladder T Am Surg Att 10 3 Ma Il Surg O ner & Obst.

Let stace

The small cave of rupe re of the bit Mer is the became of perfor feature is sub-liked. R rely the bidder has not been i'll and then the respect is extrapentioned. I some cause there is no history of tra ma (ddopather rupe re) between the small there is some node bying case such wrelated schooling, it is sub-ruped and the product and the sub-rupe related schooling, it is unfined it verdistension of the bidder. Yet if from such cases, idiopather rupe re is rate.

Case was alcohole. After drahling beavily he trained midnight ent home and was wakened at an an in by solent abdominal reports I the harder trained and in the solent abdominal reports I the harder Training was denied but can never be extended in shoolies. The rupture may have been d to o rendstension with or without muscular action which may produce rupture. Acoholism prediproses to rupture by causang rapid distension, behader send liverage and relaxing the bommal muscles which guard the bladder from upjure. It is a question whether the normal bladder ever ruptures got tancously without the present of pathologic changes, not of the present of pathologic changes.

as alcoholic but not drunk. hist ry (trauma or previous bladder trouble. Sudden onset six days before, with symptoms of appendictts, nauses and vomiting pain and tenderness in the right lo er quadrant, etc. T previous, similar slighter tracks. When seen condition was very poor constant hiccoughs, poor pulse etc. There was mass in the right lower quadra t which was found to be due t a large quantity of ammoniacal purplent urine utuated retroperit ne ally The \-ray sho ed no stone and cyrtoscopic examination revealed a transverse rent behind the right preter mouth. Unne was alkaline and passed mostly through incision for some time \ sign of ulcer in bladder. The spoender as normal. natient made slow but perfect recovery and has remained ell-since—t years.

remarks the bladder was full but the trauma was ledirect, being do 1 at all from the first foor fire tocage while salects. There may no perform freedom to the repair was extraperitioned, but some tuties was in the petitoneal cavity though no peritioneal for could be found. Only part of measured amount i fluid was injected, and returned by catherter.

This procedure is seldom secessary and also as unwass, enlists followed by operation at once if upture is present. The danger bowever is d e to the attheteration rather than the injection of fund. The chief danger of mifection is from an infected arrefurn. Strike utrue does not cause peritonitis, but if it has no fres outlet t may become decomposed and cause principality.

Catgut is preferred to alls for suture. Trendelenbury position is very valuable in suturing tear in bladder. Bladder drainage by permanent catheter is preferable, unless there is infection of the srethin. The first case died of poeumonia. In the fourth day the others recovered.

Van Dem. Th. Radical T estiment of Congenital Diverticul in of the Bladder (Dic radials Rehanding angeboreser Blacediverhite). Bair a. His Chr., 9, 1, intral, 350.
By Zentzhil, 1d. gra. Chir u. I. Greangth.

The uthor reports case of large diverticulum in the posterior wall of the bladder in man 55 years old. The patient had hematuria for a years, despria for three months and retention for two days. Was operated on without further examination on a diagnosis of prostatic hypertrophy Through the supra-puble incision a diverticulum 14.5 cm. long was decovered, the true nature of which was determined after opening the peritoneal cavity The diverticulum was drawn out by means of for rens, tipped over towards the bl dder nd removed Recovery good. Histological examination con firmed the diagnosis of at rue congenital divertic nlum f the prinary bladder Fifteen cases f radical extinuation of diverticula of the bladder were collected by the author There were ten cases I diverticula of the a terio or lateral wall I the bladder without a ureter in the wall. For the extirnation of these the extraveucal route is indicated. In three cases the location was the same but the oreter coursed through the wall of th diverticulum. These ere operated on by the com bined extra and intra veskal route. In ply t o cases, treated radically as the diverticul m on the posterior wall and the ther s case was the only one that was operated on by the purely transvesical method VON LAURENBERG.

Kelly and Lewis Skingraphic Demonstration I Vesical Tumors. Sury Greek & Old 9 3, 2vi, 308 By Surg., Gynce, & Olst.

As role, tumors of the urinary bladder offer as little resistance t the passage of the \tanya as do the normal parts consequently no matter how large the tumor—skingram made of the unprepared bladde with its contained growth will show neither bladder not tumor

The bladder shadow is estily obtained by injecting air water or any of the less permeable media though this method will not satisfactorily show the boundaries of the contained growth. It is then accessary t resort to alightly more complicated method of procedure.

The first illustration showed a large papilloma of the bladder. A superasion was made of bismuth substitute, rum trapananth, and water This was shaken up and rapidly run into the bladder and the radiogram taken t once. The bism the redestly settled from the emulsio

and filtered in the control of the c

In the second case the authors deal with vesical papilloma. I this instance it directly overlies the internal meature of the urethra.

Here instead of bismuth suspension 4 cc. of 5

per cent silver lodde emulsion was injected int the bladder About half the amount injected was then voided The bladder was then distended with it Here it was noticed that the irregularity of the surface was not all shown. This was doubtless due to the fact that in the present instance a better emulsion as employed than before. The thick silver solution did not ter the surface cracks, and consequently but little surface detail is discovered. More important though than showing the surface outline is the clear demon tration of the pedicle of the gro th. Remembering the exaggeration of the sire of objects in t king stereograms, the uthors were ble to estimate roughly the dimension of both pedicle and temor

in their next case of this sort the authors propose t combine the methods of injection described, horing to float up the t mor with the thick effert solu tion ad duplay the pedicle t the same time obtalking good surface detail by the use of suspension

of blamath in

ter The authors ha been sing ulver iodate emulsion in ureteral ojections as lis in the bladder for V-ray purposes. They believ that it has certain decided dva t ges over collargol and they have number of unusual good photograph of the tenal pel rs, wreter and bladder t ken by thu method

M yo Exct sion of the Bladdert in Oper tion of Necrosity ind Expediency T Am Sorg Am is a May B Surg Cypes & Ot t

T determine the best method of dispose g of the secretion fibe kidney in individual in bomitinecessary or expedient to exclude the bladder reman all one of the seriou problems of surgery say however that the modern method of operation in these cases expose the patient t greater danger from infection than is compensatory with the mitigation if h suffering considering the natural mortality of the ducase 1 not consistent with the history I the nation or the reco I of the PROPERTY | MARKETY

The patients under discussion may be grouped der three headings 1. Those suffering from roo genutal nomalies of the bladder or wrethrs of character not t permut estoration with controllable urine or t fire them from painful sequelse () Those in hom sections of the wreter are necessarily or accidentally my red or removed during belom inal, pel se or sacral operations (1) Those in whom malignant disease of the arinary bladder is too extensive t permit removal by partial resertion. I the bladder the retentive i petion, and those in whom gross maligna it or other disease of the bladder exists but in hom the loss of power of retention and comtrol adds t their suffering

V nous surgrous ha devised ingenious methods for making bladder the reput of cases in the first group. For example () bladder made i skin flare (b) the umpression of the bony pel is, (s) loss g the bladder and overing t ith an

terior bony rub by freeing the sacro-illae joints. Control in such cases is rare and cystitis and

injection of the Lidner is common. I the second group are those cases I which the in red ureter cannot be remaited t itself or rest tached t the bladder the injured ureter may be reunited ith the other preter if that he patent, or one or both reters may be united to the colon. Direct drainage to the ski has been defect. These operations are done atraperitoneally the unne being collected by pecial apparatus.

I the third group are cases of extensive invol ament in hich part or all of the bladder has been removed. In the former the ureters are sometimes tra vols ted to the opposite remaining portio of

the bladde in the latter the sreters may be implant ed into the rectum.

It would appear that the best theoretical and practical anastomouls of the ureter with the here bowel is that which either permits the areters to traverse some distance between the mucoss and the outer all of the bowel before penetrating its hamen or that which th ureters are infoliced by the wall of the box I for a certal distance. That method which transposes the base of the bladder t mak it a part of the rectal all is also a good one. The control against regruentation is due to the closure of the dot I end by compression in the all of the bowel.

In tight cases I cancer transpertioneal resection of large reas of the bladder was done with transplant tion of the ureter t the enought side. I three ages of cancer the bladder was completely removed () Female aged 6 ureters transplanted int recisin operatil recovery died some weeks later from cerebral harmorrhage (2) Female aged The reter was attached to the base of the arethra by the Sonnenberg method. The patient as in good health one year when the died from acut infection of the hidney (j) Male aged to. The urefer was transplanted into the back are spent as it. The p tient has been ell for more that three you

I four cases of extrophy the areter (rantplanted int the bo I no deaths

GERITAL ORGANS

James and 5h man Seminal Calcult Mmulat t & Nephrolithianis, Sur Gyme. & Old o & By Sare Giper, & Obst. ETT, 105.

That seemnal calculi ar rare condition is evident on remealing the literal re. Fuller is quoted per sound communication) stone in the seminal vesicles must be very rare and relates having met this

condition but t see the actumal vesicles may present the (a)culf demant based pact to of renal stone limitation from seminal calculi ra be transmitted t the respective hidney or inmhar region through first, either the vencie or prostatic filament of the inferior hypogratric or pelvic plexus t the hypogratric pleans, hence through the gangliated cord t the hamba ganglia nd either t the lumber erteben nd their hig ment (limbage) or through the north, plexus, sortic-ernal ganglis and renal plexus t the kidney substance (nephratela) second, ra

be tra smitted through the deferentia plexus via

short route to the ganglasted cord third, the effects diaments of the determits plezur and the genticural nerve to the humbar region fourth, fortiation may travel through the via effectua filament in the plezie sympathetic, the spermatic atteny filament if the operating heiven and its numerous filaments to the result humbar ganglia. Thus the protone of the properties of the event outer, referred routs and tender one.

A thorough investigation of this subject has failed t procure any operative or post-mortem proven cases to eport other than the following

Male aged 33, suffered from apparent right renal colle as evidenced by severe right-sided pain, rectus rightity frequent infernition, pain referred to penis and marked pain on palpation of right kidney

Unnary examination Chemically negative an inforceoptically few erythroptics, epithelium and phosphates. Case diagnosed as probably right enal calcult. Two days facer the patient passed by unther what he described as a stop. Physical examination at the time revealed a tender right kidney on pulpation. Labor or forced exercise, excited pain is his right side. One month later physical examination evidenced the same faulting.

Blood examination W B C. 7600 R. B C., picture pormal Hemoriobin 80, blood pressure o.

Nephrotomy advred and accepted

Under eiber anseitheils, through a Immbu Income, the right kildney was sectioned and no stone present. Ureter particus: Incision closed and the kildney drained by satured capacited drain. Convilsament uneventiful until renoval of drain on seventiful day following which time became bloody patient later passing vermillors close from the worse, d to the acut homorrhagic assents and cyretic tenesmus due to blood clots contained therein.

Death occurred five weeks after operation, clinic ally from acute aniemic due to hemorrhage from the right kidney

A topsy breaked the following findings. Right kilner' pelvis filled with blood clots, one extensions well up toward the cortex and co dimones with an old patulous sature hole. Coetex evidenced an unhealed opening continuous with the superficial drainage tract. Left kidney unretex, and prostates negative. Vas deferens evidenced no change.

Seminal weight walls hypertrophied. Four calcult removed from the right weight, situated near the fundus, dull white in color and faceted, ranging in size from that of a grain of popeors to that of field corn. Seminal fluid stained out many grain negative dishecoed.

Chemical analysis yielded phosphate and car bonate of lime of 85% organic matter in which spermatoma were found 5 per cent.

Pathological diagnosis

Pernicious aniemia secondary to hiemorrhage. Suppurative-hiemorrhagic nephritis of the right kidney

3 Chronic seminal vesiculities with calculi for mation (dextra)

4. Chronic Neimerlan infection

Luye Catherization of the Ejaculatory Ducta (La catherization des cannus ejaculatoris) Chicipus Par 9 3, No. 7 of.

By Journal de Chirurgie.

Luys has succeeded in catheterizing the ejacula tory duct and in healing a patient suffering from vestculitis. The following is the first case reported in literature.

In August, 913, the patient had a profuse discarge with a double priddymitis, prostatith and left vesicilities. The received permanganate irrigations, massage of the prostate and distations. In January 9 3, the left vesicle was still patient and could not be empiride by massage since the shandstop that was blocked. By the use of shandstop that was blocked. By the use of shandstop the was blocked. By the use of shandstop the size has been described to the introduced a metal entheter which penetrated easily for one and one-half continuents into the left slacula tory duct which was filled with oxygyangen. He teem massage the resides and found that it was no longer patient. The massaging expressed large purchast masses which came out at the overland large purchast masses which came out at the overland large purchast masses which came out at the overland large purchast the statement of the sembles of the sembles of the statement of the semble of the considered in cases where there is obstruction to the lemmen with imperfect wascustion of the sembles vertices.

The author concludes by giving the indications for and the technique used in the catheterization which requires thorough knowledge of porterior urethroscopy E. January

SURGERY OF THE EYE AND EAR

Ray Scienal Decompression is the Treatment of I tra-ocular Ternien. Ay M J 9 1 24 # Hy Surg., Gymee & Other.

Ray gives an observated (me fahe changes in all those conditions in which the intraocula ten sion is pathologically increased and states that It is apparent that the essential object of treatment for the relief of cure I such cases list pen p the gle of filtratio or establish some method hereby the dramage of the ey fluid ca be obtained Up to the present time infelection; has been the most effectly intra or eat bulliar over t ve measure for the relief of increased tension since MacKenzle made use of posterio scierotomy over seventy years go-The most lasting result following this proced or have been beened those cares here regulting cystold creater made materat leadings possible This observ tion led to the edvice that piece f irus be nurrouely carried int. the facision in order t f riber insure the establishment f leaks g ace. Fragments of ris may heal int the ound like but little or no sourt I I ture danger but the consolidation of such scars might be indefinitely intertered ith ad thus reader the eye vulnerable t bart nal infection along the spongy track. The latest advance the treatment of glaucoeus has been designed to bring bout a personent filtration aca through the sclera t the extreme boundary of terior hamber without incarceration of irls the in the ou d. Thus ides as first suggested by lferbert, and made use of by placing pieces of con-junctive or scored sclera between the lips of a torneo-scieral incretion, so as t pre ent complet nio Later Lagrange exceed strip f sciera inclines made well by k and then covered after the opening with large conjunctival flap.

The other believes, however that new era in the treatme t of glaucoma commenced when Fergu and Elliott each riding independently introduced the sciently trephose. A large triangular flap of confunction, the tabete table lambin, is dissected up and carried int the limbus corners then 2-mill meter trephine used t remove desc f scleral tience t the corneo-scleral angle Now that the extreme agie of the terior chamber has been entered small iridectomy is made, the conjuncth al flap is replaced over the scleral opening, and the subconjunctival leak ge of aqueous takes place. This technique was follo ed in t cases of acut glaucoma ith great pale and high tenson to cases of glaucoma simplex, and one case of hydrophthalmon, in all of high the termion as reduced to normal and analytic most, the direct action of the increased not followed by permanent rice store the operation attraction in the direct action of the increased not followed by permanent rice store the operation attraction with the direct action of the increased not followed by permanent rice store the operation of the increased not followed by permanent rice store the operation of the increased not followed by permanent rice store the operation of the increased not followed by permanent rice store the operation of the increased not followed by permanent rice store the operation of the increased not followed by permanent rice store the operation of the increased not followed by permanent rice store the operation of the increased not followed by permanent rice store the operation of the increased not followed by permanent rice store the operation of the increased not followed by permanent rice store the operation of the increased not followed by permanent rice store the operation of the increased not followed by permanent rice store the operation of the increased not followed by permanent rice store the operation of the increased not be at the incr

thor concludes with the statement that there is no question that the only glaucomatous operated eyes that are permanently benefited are those here some leakage of the cy fluid takes place and that this desired end is most efficiently accomplished by acteral t ephine. If users L E.

berhoeff. The Effect of Chronic Giaucoma on the Central Retinal Vessels. Arch Ophil meta, drch Ophra o g. By burg Gynec, a Obst. nis. 45

Verbreil has mad ra eful microscopic study of serial cross sections of the optic nerve in the region I the lamina cribrous in thirty-nine cases of secondary glancoma due t lemons of the anterior segment 1 th globe Not thrombosis, but an endovasculltis of one or both of the central vessels. more often the year as found in every one of the ses. Age of the patient ad duration of the increased pressure did not particularly bear direct relationship t the degree of the ascular changes, but to general it rould be concluded that these changes occurred the more rapidly the older the isolovskes

I for cases there was complet ad in two abnort complet obstruction f the central artery One section is pictured in but the cells immediately about the lumen showed very active problers th almost complet obliteration from an

folding I other cases, probably here the process as more slow elastic times with tendency t undergo pecrosis as seen to almost completely block the lumen. As result of the degeneration an inner t be was often found to be complet by sept. rated off by source filled with blood thu forming d section angunism

The changes in the veins, subject to variation ere analogous t those in the arteries. In most lastances the walls were nevent involved and partially collapsed int the homen. obstruction of the tim as found in right cases, there of hich showed retinal harmorrhages, importance of such warranted detailed description Bundles of neurogha encros hing upon the walls of four eins was hitberto unrecognized condition which mucht easily have been mistaken for activel problemated endothelial cells. A dis-ecting excurber of one vein, showing a branch entering the surround-

rag mace as another nasual finding Lapulaive subchoroidal hamorrhage had occurred in four cases, with almost complet obstruction of

the vers in one and of the artery in t o.

Three factors must be considered to account for these vestel hanges in secondary gia come. First the action on the central vessels fit vic substances resulting from the relative stagnation f the intra ocular fl kis, and lastly the traction on the emels

amduced by the receding lamina cribrom

In sew f the fact that complet almost com plete obliteration if the central vein was found in a bittle less than on half of the the cases, it is remarkable how infrequently retinal harmorrhages occurred and the ingenious volunation for the absence of such an expected condition is made on the ground that the rtery is so often simultaneously myolved and that the slowness f the process allows dequat collateral circulation in the optic I B Fatre.

Bitchi The Management of Acut Harnor rhagic Glancoms with Ad anced Arterio-acterosis. J Ophth Out or Lerwayd 9 3, 111, 96 By Surg., Gyner & Obst

I this article the importance of the pathology of the dacase as whole is brought out a th docus sion of the treatment of the j stemic condition and the local manufest tions in the eye

It is generally accepted by recent thorities that the cause of mosclerons is the ction it vins the product of intestinal patrefaction due to faulty metabolism, on the tissues of the circulatory and nervous vateur.

It is necessary t differentiat between hermor rhagic glaucoma and hismorrhages that occur in an eye which is already the seat of a gla comstons process, although they are both the result of the SAITE CRUSS.

The general constitutional treatment is essential. Hyrieme conditions must be carefully looked after Diet of low protein character smitable for this condition should be adhered to The urine should he examined regularly for indications of intestmal t trems. Tepul baths with the addition of sod becarbonate are of benefit. Electro therapy is of great value as are electric light sweats.

Medicinally the author follows the homogopathic indications but speaks of the value of sodium sodide the alkaloid veratrin and the Bulgarian lactic cid.

bacilli (tablet form)

In the treatment of the ocular condition there is some difference of opinion as t the advisability of operative treatment but the uthor believes that the operations can be performed safely under local angesthetic (per cent solution of cocaine in combination with some of the essential oils, and supra caneolin ooo) The technique is such in any of the operations that if great care is taken the tension can be reduced very gradually

LARLE B. FOWLER.

Denman The Surgical Treatment of Glaucoma with Special Reference t th Substitutes for Iridectemy J Opink Ocal & Laryngel., 9 g, xiz, 04 By Surg., Gynce, & Obst.

The author takes up the history and reasons f r the important positio that iridectors

among the operative measures for the treatment of glaucoms, with the theories for its action a list of the more recent operative procedures and the technique of trephine aclerectomy and cyclodialysis.

The results of fridectomy have been ttributed t the part the stump of the iris plays in absorption and by widening of the filtration angle. It must be classed Iways as a major operation and as such it is t be excused if followed by such sequelar as astigmia

nd coloboma with their visual disturbances. operation which will accomplish the reduction of the tension in the surest and safest manner with the least resulting del rmity and leave the eye in the most nearly normal state is the one which we should cboose

In trephine circle of aderal these bont a mm. in diameter is removed in the region of the limbus and the aqueous drains through the perture under the confo ctiva. This may be done with or with-

out peripheral or pupillary indect my

I perf rming cyclodialysis care must be taken in the selection of the location of the incluion so that the larger blood casels may be voided the spat la must be advanced ith the point pressed firmly but gently against the sciera or it may perforat the root of the icls and ent. the anterior chamber but when withdrawn will not leave drain as the nuncture i the iris quickly heals. Too great pressure forward may cause the pol t to enter the corneal stroma so that the anterior chamber is not drained Properly erformed the eye does not show any evidence of having been operated on there re no visual disturbances there is round normal purel which is still susceptible to the influence of mydriatics and myoucs EARLE B POSTER.

Farker The Trephine Operation for Glaucoma with Exhibition of Patients. Phys. & Swy O L STIV By Surg Oyner, & Obst.

Parker reports two cases of glaucoma on which he did trenhining operation, one case being I a patient seventy years old with simple glaucoma. R. \ 3 %0, tension 75 mm L. \ Bight perception, tension t 5 mm. Iridectomy don on right eye, trephining operation on left eye. Tension normal in both eyes seventeen weeks later although tension increased t so mm. tone time after operatio

Case was child three years old with buphal mus tension Right and left eye 45 mm. Results of operation not know as yet. C G. Darleso.

J hoson Som Poi ts in the History Pathology of Trachema and New Treatment for Chronic Trachoms Transact H J By Sure, Gynec & Obet.

Johnson discusses the history of trachoma, the effect of elevation on the disease, Its characteristic features, its causes and the treatment of chronic trachoma.

In the treatment be says be has tried every meth od of treatment during an extensive experience of twenty-five years, ad beheves the method used by

The control of the co

the present the pr

by d. It through the rest of the tible, bout half an inch below the risce, this he passes a well falgh saw This if steared int t scroll

and one then removes

t the

느

edges are somewhat beveled. He finds it better tuse a saw than chisel if this purpose, as there is, less possibility injuring the periosteum, and if no follows this little precaution of first dulling a small

hole the saw cannot slip.

The home with its perioacterm now hell getesched it is carefully immersed this pair of forceps int warm saline solution. It is thereupon placed into the material women as questly as possible in such a manner that its raw surfaces come in contact with the clean granulating surfaces of the material based in the clean granulating surfaces of the material based in the control of the

for few days.

If t the end of three or four days he finds that
there is merely slight nucous or m cohemorrhagic

discharge, he removes the drain and allo the openig t close entirely

The transplanted hore acts as a bridge, and upon this rests the skin of the mastord region. From the transpla ted living periosteum new ostoogenetic cells penetral int the transplanted bone and gradually replace it by newly formed bon while union bet even the transplanted periosteum of the periosteum of th. adj cent bony tissue also takes place.

The air space below the transplant fills up lith blood clor which becomes regarized and events ally replaced by new bone from the transplant so that after tim the cavity becomes obliterated.

It is important t remember that even in cases in hich the bone transpla t is eviolated portions or the entire transplanted periodicum remains. It eventually produces new bone formation which fills the defect created by the operation.

I performing bone transplantation the thor advises the following precautions

() The post-operative masteld ound must be free from purtlent secretion and covered ith

healthy gra ulations
() The ound must not be curetted or bathed

th antiseptic sol tions
(3) Transplantation must be performed as

secondary operation and may be undertaken a week, ten days, or even longer after the primary operation, depending entirely on the condition of the material cavity.

(4) The bone flap must be taken from the pattern a own tibia in other words, an utogenous

transplantation.

(3) Bone alone is insufficient one must always tak the bone with its ivring periostreum attached. This has been conclusively demonstrated by the experiments of Olicer as early as 15,85 or confined later by Raddimo aky Marchaud Bonome and others, and more recently by Austhausen. The consenuss of opinion of most investigators proves that in order! make a bone transplant viable it is imperative; ty practice the healthy living periosteem

(6) The periosteum must not be injured, f if it is, the ultimate result will be doubtful. The chances f a cross re much greater with an uninlured periosteum.

(7) I making the bone flap one must handle it as little as possible so as to void injury and infection.

(8) Insamoch as a good blood supply is absoluty essential t the necessful issue of all kinds of transplant tion it is advanable t make use f this method only in such cases in which good vascular bed for the transplant t is present. This ould earluid above cases in which there is hard, eboulant advertist masted bone.

Transplantation of the bone in masteld surgery is procedure which the withor does not d weat as a routine measure. He is f the opinion how ever that it is of value in cases in hich there is a

cles granulating wound.

In conclusion the the states that a few cases are indeed insufficient t prove the value of any surgical proced re. However h feels that the encouraging results obtained by these first ttempts t solid bone graft in man id outed d as

t solid bone graft in mant id ound d'as fa a be and a the first attempt of this kind, demonairst the feasibility f this method, no trusts that f ture cases will provit of wish in the post-operativers treatment of mastoid wounds. is not a cure but only part of the necessary treat ment, and that it is quite necessary to attend to the local condition of the postnasal space until all the

catarrhal symptoms are gone.

Of course we can account for the adenoid facies, month breathing, and sluggish mentality of these patients on the ground of interference with the lymphatic circulation in the brain, but we cannot always connect the general symptoms found in many of these cases with the postnass! betraction.

The co dition of the general system is as much matter for consideration f these cases as the local

conditio in the naso-pharynx

The permanency I the cure depends as much upon our bility t build up the general health, and the constitutional resistance to nathological in vasion, as it does upon the removal of the local obstruction

Contrary t the general report have found a

tubercula family history in 75 per cent of the cases

of pronounced adenoid hypertrophy The most whable local treatment in these cases has been the pplication of adrenalia chloride through the nose. In this way we get the action of the remedy upo the turbinates as ell as the nost

nasal mace In the milder cases where there was a very posttive objection to operative procedure we have

seen a number i cases do very nicely upon this treatment alone

The frequency if in obvenient of the custachian tubes makes it imperative that they be opened and kept open until they all stay open of themselves.

Jackson Decan plation and Estubation after Truchectomy and Intubation Respectively T Am Laryagel 425 9 5, May By Surg Gynec. & Obst.

I kee classifies the different forms of laryoges! stenous associated with difficult decanculation and ext bation into the following types pank spas-modic, paralytic, ankylotic (ryt noid) neoplastic, hyperplastic cicatocial. Of the cicatocial type there are three subclames (a) with loss of cartilage, (b) loss of muscula these () fibrous type. T prevent panic, which is, in his experience largely amoriated with nerve cell babit arise g from previous terrorizing asphysons he drives corking the can la, with rubber cork without the patient til the patient has become reaccusknowledge tomed to breathing through the mouth one factor i on ic being that breathing through the short cut in the neck is so much easier than through the month even in the absence of stenosis. The spanmodic types are often dependent upon lesions which require treatment. Paralytic nd a kylotic cases are not much belped by simple cordectomy but eriscration of the entire larynx down t the peri chondrum, beginning just anterior t the arytenokia which must not be damaged the withor has found to yield excellent results, though not so good as t voice as in cases where there is arriented mobility

The removal of benign growths usually permits inmediate decanoniation of the patient. I papillomata however which are prone t recur it is necessary to watch the large and remove recurrences before they become stenotic. Removals and applications f keohol in the f tervals eventually establishes fibrous condition of the mucosa which makes poor soil on which papillomata will not gros-

Compression steriores, perstrucheal peoplesses, and hypertrophies of the thymns and thyroid glands are t be decannulated by external operations, thymopery thymectomy thyrokiectomy et the stepous being relieved in the meantime by a long traches! rganic conditions outside of the paralyti and neoplastic forms, it is the result of inflammation and especially of the mixed infections following specific injections such as lies, tubercu loss diphthera typhoid fever etc., that produce the inflammatory deposits and electrices. For these the utho recommends endolarynges opers tions with forceps and half by the direct method, and in such w y as t fa or the formation of an adventitious ocal cord. The uthor imphasizes has opinso that if the arytenoid cartilage and foint are not injured either by the original process or by the operation, the movement will pull out contri-cial band and thus produce the new cord. In some metances, prolonged intubation has been used and few anstances the operatio of laryngostomy must be finally resorted to Leeping the lary and traches an ope trough for many months til the cavity is lined with epidermal epithelium, after which plants operation is done to close the ound-I post-diphthemic cases, associated ith hyper trophy hove the int betton tube, the whor recommends forceps removal of the hypertrophic tissue by the direct method. For subglottic hyper, trophers, he has had excellent socress. Ith vertical lines canterizations, many guarded cantery kalle t und singeing the opposit hypertrophies. When one side is besled, the other is careterized This method has resulted in cure a practicall every case. The thor reports twelve cases, all of which were permanently cured except one. Inch is still under treatment, the period of treatment range ing from one eak t four years. The utbor comes to the following conclusions

The development of the direct method compels us to revise our opinions. A large proportio of the cases of laryngest stenosis can now he handled

endolarynges lly

After all cine has falled to decannulat laryngostomy should be resorted to It will cure practically every case, but the treatment may in some instances atend over five or si years. Many cases can be cured in from three to six mo that

3 The cases in hich laryngostomy has failed are those in hich the cartillaginous box of the insynx, or the subjectnt rings, here been destroyed by necroale. No stiffening is left t resist contraction. I such cases, if the loss of cartilage is great lary gostomy is conten-indicated.

1. Laryngostomy is also contra-indicated i cases of incurable seneral disease such as advanced tuber culosis, tabes, deserminated aclerous, nephritus

return flow

mahemancy etc. General anastheus has been the cause of more deaths in the handling flaryngeal stenosis than any other one thing stuthe other opinion that a general anesthetic is absolutely unjustifiable in any laryst seal case associated the even the slightest degree of stenosis, unless a tracheotomy has been done and it is backutely certain that the tube is perfectly free and clear without granulations t the lower cod. F riber Jackson believes that general anesthetic is unnecessary In going over the literature of these cases, and also personal communication the uthor is samply posited t the enormous umber of cases of death on the table from attempt t give general angatheri in cases of laryngeal stenosis. If the operator feels that he must have angesthetic the intratracheal insuffiction of ether by the Elaberg method, either through the trachest my wound or through the mouth, is safe. Care must be exercised to see that there is ample space for the

Badgrow Congenital Membrane of th Larvas. grow Companium 2. 66. Prec. Rey Sec. Med. 9 3, 66. By Song Gynec & Obst

Examinate f the patient boy of six years, revealed membrane situated 1 the anterior commissure tretching between the cords, an opening only left in the posterso part of the glottes. There did not seem the yenterference in the respiration. The complaint was weakness if the voice The questio Should treatment he under

H tchinae spok of simila case the results f operation on which had been very unsatisfactory Donelan thought that while there was no mter ference with the respiration t would be better t

word all treatment

Powell and that the consensus of opinion seemed to be that the case should be left alone at present If operatio were found necessary he thought that the operation would be best performed through high tracheotomy and that after the removal I the web suitabl silver plugs should be worn above and resting on the tracheotomy tube for a period of six to twelve months.

Grant said that the hief anxiety would be lest the child had one of the exanthemata in which case the laryugitle would be apt t be suffocative. EARLE B. FOWLER

Abbe Malignant Disease of the Tongue and Mouth. Med Rec 9 1 lund, 46 By Surg., Gypec. & Obst.

In study of the ecords of the past ten years in his personal cases, including notes and illustrations

of 4 canvers of the tongue 15 leucoplakias, 27 sarcomas of the law and epuli 40 sarcomas of the pharynx and torsell, and carcinomas of the mouth and checks besides many tumors of the lip palate and buccal mucosa the a thor concludes

Thorough surgery is still the supreme reliance in eradication of malignant discuse of the mouth and an early esort to it as the patient chief hope of cure. Radium has many interesting conquests in this field, but in advanced cases of cancer its good effect is transfent in giant celled sarcoma, it is a medic cure. The vicious causative effect of tobecco in the mouth is demonstrated. Leuconialia has no curative remedy unless it he radium.

Papilloma and giant celled succoma succumb rapidly t the effects f the radium a d the utho revards it as a meedic. In dvanced cancer of the toogne of the so-called explosive type where there is great erosion a d glandular enlargement, radium has controlled the process for time, only t have the disease light up again. The action f the radium the author suspects, is due to the temporary control of the bacterial culvity either by the specific bactericidal power f the dium by hyperemia called out by the intense play of electrons in the tissue.

Tobacco either indirectly through the hot smoke coming in contact with the mucosa or the irritation of the pipe stem, or directly as from thewing, is given as the great cause of the leucoplakias and calry cancerous degenerations. H. P. Kunca

Gorse and Dupulch Cancer of the Tongue in Young Subjects (Le cascer de la largue ches les jeunes sujeta). Roy de cher o zivil, 202. By Journal de Chrongle.

Gorse and Dundch report the case of anidier years of age who presented an unquestionable can cer of the tongu which had developed during seven months Operation. Recurrence at the end of seven months and death without furthe operation. Histological examination verified the character of the tumor squamous-cell epithelioma

The published cases of cancer of the tongue in subjects under 30 years of age number thirty They are, therefore rare but they are in contrast to this cancer in the adult more frequent in females. It is hardly possible to ascribe the cause 1 this class of patients t syphilm or chemical possons.

The site of the lexion is more frequently on the edge of the tongue as result of irritation by car rious teeth. Glandular involvement is rare. The affection is very painful with radiating pains and earsche, but the general condition remains good for

The only rational treatment is surgical Survival is very short and recurrence rapid which emphasizes the peculiar gravity of this form of cancer

) Оконсате.

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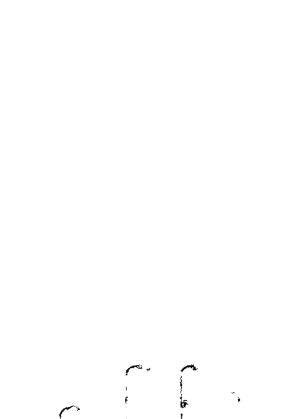


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INTERNATIONAL ABSTRACT OF SURGERY

AUGUST 1013

ABSTRACTS OF CURRENT LITERATURE

GENERAL SURGERY

SURGICAL TECHNIQUE

ARABITETTICS

tch, Gann and Mann The Danger and Pre-vention of Severe Cardiac Strail During Amerikeda. J & H AH , 9 5 kz, 13 By Song Oysec & Obst. Gatch, Gann and Mann

thors ha re abo by animal experimenta tion the mous fact is causing heart strain during angethesis. These factors re struggling pressure the abdominal meera and the Trendelenburg position the latter being the most important. The conclusion is reached by ever that these agencies are harmless t normal bearts providing th breath

ing is dequat t prevent cyanous Experiments dogs under eiber amesthesia ere striking Only four of afteen dogs lived in the Trendelenburg positio over nd ne cuarter hours aless revived by artificial respiration, th erag trace of sorry al being t enty min tes Th same results 1 vs fallo ed th change in position shight rise in blood pressure slight increase in the pulse rate and increasingly labored respirations, anally ceasing. In the authors opinion death is d to the sensitiveness f the respiratory center t ether. As long as the breath ing is good, the animal withstands the head-down position about ill effects, but when the breathing fails, its beart, poorly supplied ith avygen, has t pump blood supply made greater by gravity against blood pressure increased by amphysic. Reasoning that it primary failure f respiration was responsible for the ill effects of the head-down position, this may be bylated by hypercapmia, hich was found to be true.

In series f experiments with the thorax open. the heart could be revived by manage and artificial ne respiration, but though apparently normal, ther su cridence I more or less permanent arrives unjury t the cardiac muscle. After second stoppage 1 risbeint respiration, its contractions censed in less than t min tes. During struggling under light anasthesis, the heart could be seen t balloo out t a great sire nd soon cessed to con

These phenomena explain u by the Trendetenburg position has no ill effect in normal beart ith the respiration dequate and the mostles at rest. B to ben the breathing becomes inadequate during anisothesis the mechanism by high the body compensates to the effects I gravity tion becomes deranged Applyria injures the cardiac muscle and raises blood pressure, whil the Trendelenburg position causes an increased amount f blood t be quarkly returned t th heart. This cardiac strain is greatly generated if there is

th intestmen, Roy and Adami having lound that abdommal compression increases the

feart output 29 6 per cent.

The problem in practical anesthesis is to min make the dangers I these generat the head-down position, struggling and abdommal pressure, which in the absence of analyzing probably cannot injure the normal heart. The I flowing organizations are The patient should be raised to and lowered from

the Trendelenburg position alonly In cardiac disease it should be used with caution Robust patients hould be given morphine bef re

operation and alcoholes morphine and alcohol and should be annestbetized athout cyanouls.

Those with cardia disease, pneumonia o empyems should also be given morphine and anesthetized slowly in the semi-recumbent pos-

Th production i hypercapnia protects in marked degree from respiratory failure and con sequently from cardiac failure, which is always secondary t asphyxia. P. K. Assertacoo Sprengel The Choice of an Amerithetic I Operations for Acut I flammatery Conditions of the Abdomen Die Bahl des Narkotkums bes Operationen wegen akut entellacheher Progeme in der Bruckhöhle) Drainher hir Kanf 9 J By Zentralbi f d ges Chir Greengeb.

Sprengel discusses the condition described by Recchell 900 and by Amberge in 1900 and called by them post-operative sepsis The symptoms are leteros, restlessness, letharg, and heally come, generally ending in death. Recovery is exceptional lie has seen a great number of cases in the sent stage after operations for ppendicitis, a d believes with Suppel, Stierlin and others that the original xplanation of the clinical picture and its anatomical basis (fatty dependention of the heart Aldney be especially the liver) as not satisf ctory and that it is in reality an after-effect of chloroform he reached this conclusion be stopped giving hieroform in operations for a t inflammations in the belomen daine that time (October o) he has not seen in ale case hile from I bruary to the end of September o he had a cases three of them ending fatally. H. maintains that bloroform is absolutely contra indicated in these conditions. nd recommends the use of morphine-ether anguthesia as being libout da ger

Batubridd Spinat Analitesia; Development and northy apriled amorem; becomes an object of the Methods with Brief Bummery of Personal Esperience 1 1,045 Cases. Med. Press & Cor., 9, 1, 12h, 12h.

By Sug Gyset & Obet.

Bainbridge notes that this method of anexthesia, lik all new methods, had its early errors. Then enthusiasm over its polication began t wane and the later development was left to bmited umber who recognized it advantages and parfulness.

The uthor method of steriluing cocaine ad simils drugs is as follows T five grains of fresh rocalne crystals two drams of strong ether re added and mixed thoroughly with glass rod until paste is formed and stirred until the either is evaporated. One ounce or 14 ounce of boiled filtered ater or physiological sait solution as then added, making respectively per cent or per cent solution, and from 5 f 5 mmms of the strong solution and from

t 4 of the raker solution is the dose. Other drugs besides ocume having become vail

able for spinsi analyssis, three general clames of solutions have been evolved (1) those of specific gravity lighter than the cerebrospinal find, the differsible solutions in which alcohol is used to give this gravity: () those with specific gravity pproximately equal t the spinal fluid, to which the simple solutions in wat in physiological salt solutron or in spinal fluid belong and (3) the nondiffusible or heavy solutions ith elucase deritan or gum arabic.

I odd of the 1005 cases, solutions in sterile ter ere used, and in over 500 of these comine was the drug. As a rule, Balabridge now uses stovaine or tropacocaine but does not besitate to use cocaine In all his cases there as only one death (difficultie stovaloe solution) and this was probably from status lymphaticus, one case of temporary partial paralysis with recovery one case of fallure due t "dry spine t cases with alypuse in which there

as respiratory repression, and one case of idioevocrasy with so analyses after several trompts Preliminary preparation of the patient is not so emential except in intestinal operations. Emergency cases have been operated on lith compara

tively no post-operative phenomena. Morphine may be given below aprestoreds, and strychnine plus nstroefycerine lessens disagreeable symptoms.

The wibor usually sajects between the 4th and the or and and ath I mbar vertebra. Ethyl chloride or comine subcutaneously is used, an morsion is made in the ski and the needle is inserted through the dura. If the cerebrospinel fluid does on flow freely the needle m sthern and reta-serted. The solution is injected slowly. The body of the very bru in front should not be touched with the needle because of the presence there of large pleyes of blood vessels. The position of the patient and the specific gravity of the solution must be taken late consideration according t hether high or low analyssia is desired. The author believes that head and neck operations should not be under taken under spansi anzethesia unless other methods are contra indicated or operation emential

The indications for spanil analyses are the con-tra-indications for inhulation angesthem. The objections t spiral analysis are () The operator is absolutely committed t the dose given. It may be increased but not decreased. () I prolonged operations, the analysis effect may pass before N. R. Bours operation is completed

SURGERY OF THE HEAD AND NECK

HEAD

Basham Tempore-Maxillary Ankyleris. I #174. By Surg Gyace & Obst U AIL 4 0 short discussion of those The paper is limited t

cases I ankylous of the temporo-mux liary jol t due t change in the articulating surfaces I th

termore maxillary joint itself. Those due to cica tricial contraction of muscles et are not con sidered into loss of this joint is nearly tways due t an infectious ribritis. Basham mentions ribrith sices as occasional cause. Otitis media, parotiditis and outeless afferting the body of the maxilla may cause infection of the temporomaillary joint According to Duploy and Recting ponorhors is a frequent cause of ribritis In this point. Before the present days of surgery many and varied bathroun martuments were controlled force part the jurn. The author given interest the different types operations desired to brig back mostlem in these cases. Most of these usually caused damage to the fail afters. The poention of Lillesthal is the safest and is the or

the author used in his case reported

The author reports a case of a school girl who in the autumn of 1000 had had typhoid of a severe type. She was left with ankylored jux and mantication was impossible. On September Basham operated on her right mile first A hise as used to open the joint and a curette was used to clear away the adventitions bony times, operating mostly i the expense of th maxillary condyle Adhesions about the joint were well broken up A piece of temporal fascu was divided so as to leave the attachment to the inner border of the root of the zyroms undisturbed and it was passed across the rticulation between the gleroid form and the con dyle and statched with fine categot. The section of the sygona was replaced and the wound closed Eleven days later the same operation was done on the ther side. The ja a could now be separated widely ith little difficulty. Within two three days the patient could drink water from a glass and trom that time on movement of the laws was en courseed. A hard rubber interdental wedge was provided t wear bet een the teeth for few hours daily The patient at Il remains well.

Freligh A Freliminary Report on the Temporal Bon and Its Anomalies t Birth in One Hundred and Flity Cases. Bull Lyapus Heep 9 y. ht.j. By Surg Gyne & Obac.

M. S. HE-OLESON.

Freigh made extensive anatomical studies if the temporal bones f on hundred and fifty cases. Il gives exact measurements of the different an tomical parts with few references to their importance from the standpoint of the surgeon If states that there is neither an emmentia articu lars in the temporal bone of the new-born por a dataset mustoid process The lowest external partion I the temporal bon is the interior border of the annius tymparicus. It is important to know that the tegmen antri is cry thin and since the antrum mostly goes over the tympasum, th tegmen tympan is also very thin. The bony external pditory meatur and the bony canal are entirely musing. so that with the soft parts removed one comes directly upon the dram membrane. The borimotal canal protrudes into both antrum and tympanum and a therefore easily injured during an operation if one is not fully acquainted with these anatomical details. Both th tympanum and the semicircular canals appear t be about as large as m th adult. The description of the course and the measurements of the distances from different anatomical points

show that there are great variations in the exit from the masteid bon

The statement given in the textbooks of anatomy that he must if bone or the equivalent in nex-born children does of contain cells is corrected by Felligh bo found comparatively large dis in considerable percentage of cases. Ent. SCRWALL

Barrett Pilluss Glioms of th Pis M ter Ass. J Issue. 913, irle, 643. By Surg., Gyner & Obst.

ther describes the brain of a man 4 The years old who had shown grave mental symptoms during the last four mouths of life. The tumor was a large glioma growing in th subspendymal substance in the right occupito-temporal region. It in vaded the adjacent piz mater and also the piz of the greater part f the brain 'erebellum, cranial nerves pone, medulls, and t least the upper part of the epinal cord. To tume had pushed in among the fibres of the pla mater in places and lay in the subsrachnoid space. From the spaces of the piaefforms cells had invaded the lymph spaces of the adventitia f the blood vessels and extended deeply into the substance f the brain In places these had broken thro ah the vessel walls and formed focal metastases in the perivascular area.

The other calls attently to the infrequency of glia tumors which layeds the leptoneninges of the central nervous system so diffusely

In this case discentrated occurred very largely through the lymph spaces of the blood easier. There was also duren manoe (the brain substance from it infiltration, fithe pla. The tumo was a exception t the statement of Bruns that gliomata re solutary t more in the do not form metastaser. Baster Boson.

II don: Consecutive Displacement of the Cerebral Hershaphers in the Localization and Removal of intracerebral Tumors and Harmorthages. Jan Sarg Phila 9 3, 1rd, 401. By Sug Gyace & Out.

The uthor has based the development of his technique pon principle discovered and developed by him from case f subcortical brain tumor terminating tatally within forty-eight hours after ft had been operated upon. Decompression had been done at the first operation for a t mor involf g the motor cortex and from which the symptoms were in no way distressing. Intracranial pressure however was found to be great. No tumor could be located by most careful palpation and the brain was not incised t search for it, so that should be left, as a rule, until the second operation. The patient died Ithin forty-eight hours and a port mortem t conditions, especially were noted first the cerebral hemispheres had been greatly damaged by being forced into the operative opening second the tumor located about three quarters of an inch below the cortex became pulpable with the finger tips hen tension had been released by moving the brain from the kull.

The a thor may tains that surgery of the cerebel ium has been transformed from an optomising to promising field by using the principl of releasing pressure in the entire crebellar force.

One successful operation for near crebral hemorhage is reported in the tatement is made that by the one of the box principle and an improved instrument maintenance um many successful operations for intracerbral hemorrhage may be done.

A very large part of the success of these brain operations depends upon rapid and perfected technique. The article is concil ded by close description of the authors on methods and also f the natruments many of which are entirely new Faror Rusz.

Dennia Bilateral Cerebral Abscess Invol ing th N for Areas. St Peul H J 9 3, rv 53 By Surg Grace & Obst.

The case reported is that of young man or eighten, bits teen which suffering from 'soulier's left-aded proposition thorax communicating that is right. A present of the proposition of the condition the patient had track of aphasa, followed the eart few days by others to which were added general contributes and trained it gives been present to the proposition of the proposition of the proposition general contributes the tracket operation general to value was followed by buttern broughpith but karred opon the left ade-

I left outcoplants: than was raised some days later and an beceve beneath the ascending frontal co vo latton drained. The follo less day is ould move both legs and the right hand. Death ensued i three days nd utopsy revealed another abuces in the orresponding motor region of the right side as will as one in the alent area in the left frontal lobe. The its of the drained becess was oblit crated and there as no menungitis. The presence of second bacers on the right aide bed been considered probable but operation was not done because of the bad condition of the patient ind because of the contrary opinion that the left sided paralysis was due t extension t rd the base The f llowing points may be emphasized

() Cerebral abscess is very f equently second to

thoracic focus
(a) I hour one half the uses ording t

(a) I bout one half the uses ording Krause the listers is solitary

(3) The point of ledgment is usually along the course of the artery of the assur of Sylvius.

(4) It is striking and nexplained first that

(4) It is striking nd nexplained f et that emboli negleating the long tend t lodge; i the bits a, whil those from the cavity of the heart do not Paralysis resulting from the causes under omed earlion may disapped ind recur t least t or

Purily as resulting from the causes moner onsare eration may disapped and recent I least 1 to or there times, doe undoubteelly it the effect of one-times of pressure protections have a blood by the order. The diagnosis of sevend shaces usual be considerably less certain that that of the first. In some instances even I volving the meter area, the deter mustico of side of the less of impossible as evodenoral by two cases reported and crufied by autopsy in which the lesion as on the same side as the hemiplegia. N explanation for this unusual condition has been advanced.

Rodonan Report of Cases Illustrating Certain Phases of Cerebro-Spinal Surgery Pres M f 9 L xvi, 442. By Sorg., Grace & Obst.

The conclusions as to preparation for technique of and indications for operations on the brain and cord are based upon 15 cases in the othor experience only of hich are reported in detail.

In the preparation of neurological cases for operation, unstropin has been given as mutine measure, and wodance of all infection is attributed to this. Overpurgation and morphine are undesirable.

The most important factor is the prevention of short in hemoratais, and with this to view foundquet is employed. It ad-drives instruments are thought the sater than lectrically driven osteotomes, although they are slower. I equest blood pressure residency are stated onlying the operation, and a sudden full is indicative of protecting large. Should collage intervene or an extensive operation be necessary a two-step procedure is considered dwarfs.

One case of enormous extradural harmorrhage with bemiptegia whose occurrence is considered rare by Cushing, was followed by complete recovery after evecuation of the clot. In this lastance an orteoplastic flap proved so satisfactory that the uthor beheves a should al ye be used in exposing clots from the middle meningeal artery. Inother case of moperable tumor was almost completely elleved by inbremporal decompression, meh operation, although only palliative has definite to heations. undoubted value and low mortality but should only he part of an exploration wherever possible All cases, however in which this operation was done ere not so fortunat but the improvement follow ing exploration has been so great that such opera tions seem to offer the greatest chance of temporary comfort to the patient. Suboccapital decompressoon should not be done unless there be strong evidence of subtentorial lesion, because of its difficulty and greater mortality

Surgery of the cord offers the same difficulties as that of the brain. The approach is best don b simple landsectomy. From Allen s eccat work dop, decompression f the cord seems feasible t

the uthor hile the removal of extradural and tramedullary tumors offers no difficulties

E E Annamen

Exset and Allen The Effect of the Removal of th Hypophysis in the Dog t Sarg Fash p 3, Frs. 435. By Surg Gynn & Obst

The authors discuss the result of series of experiments carried on by them do go the past year. In the have to do to the essential haracter of the hypophysis. I tenty to dops, seventeen died to neriods of from two total three days from

intercurrent disease or accident. Five dogs if red for months and showed no clinical symptoms peculia to the operatio such as tremor or disturb-

ance of guit. The method i poroach as through an incision

two inches in length perpendicularly over the sygoma. The sygomatic arch was removed the coronold process of the mandible resected and the base of the skull approached a direct line The skull was trephned and the opening enlarged the dura opened and the brain elevated by special retractor The hypophysis was removed by special loop forceps, which enabled the operator t remove the giand in t pieces, one for the anterior and ne for the posterior lobe. A dramage was used. The Paulesio-Cushing incisio rejected because f the extensive removal of bone which exposed the brain to the ction of the masseter

muscles. In atypical course of a branch of the ptergyro-palatine artery caused several fallures d c t bemorrhage.

They compider that the amt my of the gland in the dog precindes complete histological removal of all the cells of the pars intermedia They think that physiological removal enough t produce characteristic changes, can be done, analogous to the removal of the panerous, thyroid and parathyroids. Serial sections of blocks of tissue removed post mortem, from optic chiasm t corpora mammilaria inclusive, demonstrated that only two dogs sho ed no remaining evidence of para intermedia anterior The first change noted was striking red colora tion of the pancress, which had the appearance of the gland t th beight of digestion, but no microscopical changes were noted. Second, in point of time as tropby of th gruital praratus especially the testicles. T. dogs i hich one testicle as removed at the time, I operation aboved marked atrophy of the remaining organ, d to complet loss of spermatogenetic cells. One dog which lived thirteen days showed no clusters of spermators in Sertoli cella, nor free in humen. Spermatals of first and second order were present in moderate quantity The epidldymis was crowded with spermators Thirdly increase in weight, this comes — late and t is question whether it is d to the removal of the gland directly or to loss of som function con-trolled by the hypothysis. In three dogs autopsied after several mostles the thyroid presented a increase in colloid and flattening of the cells of the alveol:

They conclude that the hypophysis is not casen tial to lif and that the three changes above noted undoubtedly follow his removal Changes in pancreatic digestion were not studied. They are unable t say whether glandular rests or parts of the gland left behind can compensat for this atrophy of testicia. They agree with Aschner except I two particulars that removal of the gland from adult animals is not without effect, and that atrophy of the testicies is due to emoval of the tuber cinereum. The latter they consider purely an academic one. Their results cause them t believe

that the hypophysis is not essential t life essential or non-essential nature of the gland is an important surgical problem that the only indica tion for removal is intra-cranial pressure think that the intra-cranial method of pproach is preferable t any other that Frazier's operatio is the best anatomically nd technically

DOYALD GORDON

Meyer New Formation of Ners Cells in 11 Isolated Part of Nersous Portion of n Hypophpale T mor in Case of Acromegaly with Diabates, with a Discussion of Hypophysis Tumora Found so Far An J Isra 9 3 htt, 633. By Surg Gyace, & Obst.

The paper is based of clinical and post-mortem study if sigle case. The patient was we must see years typical and it surveyed typical th paranouse conditio cromegaly associated During the last yea f ber he she kno

have had persistent gly cosmis At topsy th only lesson f imports ce was tumor I the hypophysis. The atrocture and modof propagation if the timor is described by means of text ad agures At on point som f the nervous portio f th hypophysis had been in th process f invasion dustention completely molated so as t form an independent island ith nervous portion on the glandula tumo. I this aland there as striking monatromy of both

glandular ells and cells of th nervous portion.

The glandular lements re larger and have greatly meread under of n der. There was also unquestioned new formed nerve ella a th distinct Viral bodies.

The the briefly review the descriptions in th literature f tumors f th hypophysis smortated nh cronegaly and lls tiention t the fact that even though the nomenclature differs very markedly the descriptions show som uniformity the failure of more unit rmity in descriptions thor reggest explanation in the first f kis espelimons, bich re as follows

The changes in the hypophysis in acromegaly seem to be more cousts t than descriptly terms in the literature ould somest. The difference f opmio may be d e in part to a limitation of the examination to on r few portions f the tumo The change in this case is identical with that described by Harlow Brooks. It sho also the mode f propagation of the tumo

3. In sequestrated part of the pervou potion unmistakable new formation of nerve cells with Visal bodies has occurred besides thermonstrosities

RECK

ATT B DOWN.

Sinjuachin Tumors of the Carotid Giand (Über Geschwalzt der glandula carotica) Med Rend schen St Petenh o 1, luch, 14, By Zentralbi I. d. ges Chir u. l. Grangeb.

Sinushin gives a short account of the histogenesis

of the t mors which coording t Paltauf and

Marchand, rise t the bil reation of the common caroud artery from the caroud gland. According to the investigations of the zoologist Kashtchenko. the carotid gland develops from the adventitus fithe internal carottd and ppears in the embryo as a simple thickening of the dventitia, consusting of loose connective these with cell nests. The Iveolar form of the organ develops later Histologically the gland consists of capsule from which firm con nective tissue septa penetrate int. Its substance. The spaces between the septs are filled with epithehold cells with large under and distinct chromati structure, lying close to one another so that there direct transition from these so-called specific cells to the endothelium f th very umerous vessels. Of the twenty-five cases published since So the thor has operated successfully only two Friteen cases were i women nine in men seventeen times the tumor was on the left side, seven times on the right. The patients were bet een twenty five and thirty years I ago. The tumors were in the superior carotid triangle and were as large as googe-erg, tolerably hard, podular movable laterally but not up and do n and showed pulsario which ceased on pressure ver th carotid

The operatio is not without danger as it immore an other firmly attached to the careful of the vagus and frequently demand resection of the nerve is active for no of goassa). The tumors must be estimated for K ufmans and Dobromys also been makingsaid deprecentation of receivance. The tumors can hardly be removed without at least temporary fighting of the careful because of the server kemocritage. Fire good colored merophotographs and a bithography close the

article

Smoder: Lightion of the Common Carotid Car Unterbinding der Carotis communis) Bob Min. Chir 9 Lincol 494. \$ By Zmitnikk Lt d. gas. Chir L. Gresnych

Von RETREE

L Greenweb Ligation of the carotid communis has been known since the close f the 5th century Hamilplegis and convulsions occupy the central position of interest in connection with this procedure. Accord ing t Hartmann, these phenomena are not due to infection, nor have changes in the suture material brought bout any improvement America, and not embolism seems to be the main cause of the softening. In 878, Denuce first attained cure without cerebral effects by slow and gradual ligation. The method exgrested by Ceel and Boarl, Le. an ecompanying ligation of the ven. jugularia int, did not wold serious disturbances in the mot and sensory functions. The most practicable method of avoiding sudden anamia is the gradual interruption of the blood stream. The technique for this procedure was worked t by Jordan in 007 who has designated it as loose and temporary ligature of the carotid occupying some forty-eight hours, accompanied by local anesthesia, which is required for the recognition of cerebral effects.

The following are boothte indications: Hemoriangs which may be fatal, retaining definite cerebral diseases, such as epidengs marked by increased brind pressure, neuralist, hydrocrystains, and inoperable romons. A review of its cases power the superfectly of slow construction (Drossetting) over direct and rapid ligation. To cases both were not slowly ligated died of serious cerebral maladies, while the cases which were allowly ligated direct and rapid ligation.

Slow ligation was accomplished with rubber drains whose ends, outside of the wound, were randually turned rod. However, alow ligation with rubber tabing is not practicable because of the

uncertainty attaching t the degree of t isting.

Ligation f the externa before rescribes of the upper jew which has been recommended, was found in one case t be insufficient.

Securious.

Rageo-Tora: The Infl. sace of Insufficiency and Arrephy of the Thyroid Gland on Discusse of the Jednus (Der des Raghes der Jamildens und Arrophe der Schildens auf Erhandungen der Gelenke). Che. Anh. Velengesse, 9 p. 223, 53.
By Forsinki I. d. pp. Chin. I. Grouped.

The author discusses of the joints which owen in connection, this trophy of the thyroid fland. From study of ten cases he conclude that the physical emmination of every rhematic particular strends about he pivest. the thyroid pland, especially in those cross where the gland is not callarged. Carried observation about he made for the detection of subjective to objective symptoms of hyper-modern of objective symptoms of hyper-modern of objective symptoms of hyper-modern of the control of the programs of the program

Complet recovery is possible as soon as normal hyprid function has been realized. The textages the hyprid function has been realized. The textages are near the considerable period, as presenter consistion of treatment leads a recurrence of the joint symptoms. In obsidant cases, such as chapal articular theomation and unfulfit determinant methods are also as a second of the prosent method there is not yet to propose the salest through a similar theory of the protage of the p

Kutschern Against the W ter Etielogy of Gotter and Cretisium (Geges die Wassershologie der Kespfes und des Kreitelamu) – Manches und Wasseler

pra it, 303. By Zentralbi. L d. pes. Clair. v. l. Georgeb.

On the basis of long years of study in the Steftmark and the Tyrol, the arther opposes the old not setumingly well established idea that water plays part in the etiology of golter and cretifism. He has widened the usual conception of cretizism to include all those bodfly not mental developmental.

distributors occurring in the endemic repons and protocod by the credinogenous injury regard g II these as evidences of creditions dependant these pictures vary from the normal the several conditions of hypothyreoids theory ad deal mt ism. Golfer belongs it is and there is no cretisms outside the goater district. The necessary content in jury produced in the property of the produced in the produced in the produced party of the produced in the produced in the space. The upon his a strumons close, when its affects an adult, more resultant body and creditions

child in its errilest years. The subre assumes, the basis f his experiences, that the water theory of golten is not tenable because () the impression that golten and certainfin hound to certain district has been shown t becronsome t was thought that the disease was so exponsively chemic that lis warhelines were developed only in decade and centuries. () goster and cretisism are not evenly distributed similar of certainment of the control of the control of the control of the community but; certain houses in not conduct the community but; certain houses of wellings, it is bosse disease lift to be the certain the certain is pronounced family afficience it is controlled to the controlled the certain is pronounced family afficience it in only however benefitary as the children of credions

removed t a neighboring house free from goiter and cretinism. These and many older observations speak in favor of the view that the disease is transmitted by co tact.

The autho regards the results of his investiga tions on the formerly cretinous Tostenhuben at Vadana, his investigations i Tyrol and the experiences of other observers as convincing. The more ex act investigations I golter sources have shown that golder endemics, especially the acut ones were never related to the water supply but to the community of duellings (Examples noted by the uthor young dogs supposed to be afected by gostrous servant girl ad the well known endemics in fish pends.) The post tive animal experiments may be explained easily by supposing that the animals in the endemic regions were infected by contact. A parallel t the thor' where as t the ethology of goiter and cretinism is found in the Chagus disease which is produced by the bits of an insect, which transmits a variety f trypanosome From all his observations and reflections, the author is con inced that goiter and cretinism is a discase confined t the comm mity of dwellings and transmitted by contact, possibly through some intermediary host, and it is not con fined to the drioking water supply

Leannearra

SURGERY OF THE CHEST

CHEST WALL AND BREAST

mothers may develop normally provided they at

Thomas A Study I Emprens, with Special Reference t th Fessibility and importance of Dependent Drainage. Am J II Sc. 9 1, ckv 3354 By Sorg., Grace. & Obs.

Thomas reports in detail nine cases if empyema. From study of these cases and a formalla hardened cadaver specimen of an empyema undisturbed by an opening during lif , he draw few inferences which are at variance with the generally coepted view W have not appreciated the extent and patters of adhesio formation developing in connectio with empyemas, especially the acute variety. The masgive parietal type extends usually to the bottom of the normal pleural cavity and is not unencysted or general, but completely walled if above from the rest of the pleural cavity by adhesions. This explains the slight mobility of the dallness on percussion, as well as the fact that the pper level I the duliness is not in straight line as it should be if the finid was unencysted and free to seek its own level. Skoda's resonance may not be d to relaxation of the lung above the pes, but to the fact that the functionating portion of the lung is doing compen-

salory work.

Afficients between the lung and chest wall still not offer serious obstacle to re-expansion of the lung because they develop between parts normally in co tact. That double emprems can be safely

opened a both sides the same opensitio at the emplained by the fact that the fast admitted does not produce t tal double poetumothours, there it enters a cash side only the firmly walled-off empyrens cavity. Total colapse of the long is prevented by the farm admissions which protected the long application of the long of the long is prevented by another to the long of the long is prevented by madden or a green the long of pressures in the thoracte regard from the usual modern execution of pus, but prevent absolution of pus by all which

has a pressure of fiften pounds to the square inch. The so-called excysted or localized empyenus are small probably because they develop in the fissures of the lung or between the lung and disphragm, and therefore because of the difficulty with which the

pos is diffused in these situations.

The most important I doe in preventing the oblications of the emprense cavity and closure of the sines is the preserve of the six admitted through the drahaps opening into the emprense portion of the six admitted through the control of the six admitted through the control of the six and the control of the six and the six admitted the preserved that the six admitted the si

The size of the drainage opening has an important bearing upon the later expansion of the long. The I ag probably can not expand until the entrance of air through the drainage open; g is so diminished by contraction of the opening ad blockage of the space in and around the tube by the escape of pus, that with absorption of the air already in the cavity ther is developed a negative tension external to the lung to permit the normal faternal pressure coming through the traches t become greater than the external pressure. For this reason cannot safely employ in empyema the large drainage opening as ordinary abscesses. The effect of the large opening in empyemas is sho after the Lathander operation by the permanent pro-expansion of considerable portion of the affected hing. A pening through the leventh rib or tempace of

pediag through the levrath ni or trepace of given size ill drain more perfectly the one it the until level, and will bettle prevent the entrance of the configuration of the conf

Of 6 master empressa treated the dependent officiary in many let said that the time necessary for a cure as less all that it recogn determined by betable 11,47 weeks or the verage in Feder's cases (og days) and therefore there were so persistent taxes. I the nime cases there or no death. This method deserves further trial and study.

Lawrow The 8 rgical Treatment of Pleural Empresas with happenal Reference 1 After Treatment by Asphutain (the dumpath Behandren des Pearsengrees unter leandern Berack-thispeng der Nationaling of the Care of the

bruration after laparotoes, with resection of the ribs orresponds t the physiological bealing by hmr expansion I thin three ages, the utbor used the pogratus high as demonstrated b Nordmann in por t the roth Congress of the Deutsche Geseilschaft für Chirurgie and description of which he gives. The thor mentions alight moducation of bis o thus postatus. which consist in the trachment of 4 5 cm kla strip of rubber t that surfac of the rubber plat which as t rued toward the patient in sech that it may be inflated. This words pressure and decubitus from the glass receiver. The pparatus is attached by means of sum arabic. If there is poeumatic ring present, ttachment should be urule only to this. The drains which are introduced into the wound should be fastened t the edge of the robber plat After connecting the rubber aspirator

negative pressure is begun. The appearation may be allowed to remain for ten or t elver days, thries which these the patient may leave his bed. According to the amount of secretion bandages should be changed snywhere from daily t every fourth day the defects of this practice are pressure by the transfer of the projection of the projection may be trued to the first the projection may be trucked to the projection may be trucked to the projection may be trucked of the projection may be trucked on the projection may be projection may be trucked on the projection may be projected on the projection may be trucked on the projection may be projected on the pr

be broken off from the receiver.

At fart only alght negative pressure 5-6 mm. Ig.
should be employed, and this should be gradinily
increased? a manipum of 50-5 mm. Ig. With
fresh empyerem maxim med 50-5 mm. Ig. With
fresh empyerem maxim med 50-6 mm. Ig specifically
influence on the heart arthon respiration bone-retanual becomes deeper and the capacity of the
1 ng seems to be devidedly greater than under
normal incomplete pressure. Horrance.

Visjewski Surgical Treatment of Palmonary Emphysema (Leacuse chiraposos rossiny plot) Propi clar parks 913, bs. 00. By Zentrabl. L.d. en. Chir a. L. Greanch.

Mier detailed discussion of the methods for preluming teamloratio of the large and there, the author reture the children histories of six case. The conclusions are as follow histories of six case, mattern with fived enlarged emphysicistic deal activity with fived enlarged emphysicistic deal and preciously, and dependent on changes in the lump themselves.

The mids toos for Freund operation must be made a modele guild care of primary maph, seems. The operation must include the ed. I the six hale and be bulateral, being done by the 1 outer method as otherwise a relayer may occur and representation of the state of the six of the

HEART AND VARCULAR SYSTEM

Polystead Tw. Cases of Fenetrating Wound of the Heart Treated by Operation. Ben' H J 9 1, 1,764 By Surg., Oyacc & Cost

He whor reports t cases of penetrating ound of the heart observed and operated on by him within there snoaths. The first case was been been seen to see a secretarily stabled with an acceptact. If was operated on the stable of the secretarily stabled with an acceptact of the secretarily stabled with first saterneyed all so statement of the secretarily stabled with first saterneyed all so statement the first saterneyed all so statement the first saterneyed all so statement to the first the introduced had cut loose, due to being tied

too tightly. If had a somewhat stormy one alescence in which, on the eleventh day after beartymeal, he evidently had embold in the right radial and renal retries, noted clinically by the basence of the poles and umbness of ht right hand. The urine was markedly alluminous but no red conjunctes were present. Recovery was practically complete.

The second case was a colored for a gred 15. He was operated on five days after injury. The nucleo of the heart as so fashey that it was impossible to draw the heart is so fashey that it was impossible to draw the heart is enough out of the cheet cavity t locate the wound. The patient died before the operation was completed. At post morner, panetured hocknottal valvular wound of the right venturies one half inch long and about half will be writted to the heart was found penetrating in the venturiate avily.

The autho concludes as follows

A great pany cases of prescriting ounds of the heart might easily scape recognition it on much reliance is placed on the failure of the probe to enter the thoracic eavity but when it is borne in must that stab sound in that position usually has to assures several layers of musciat, the fibers I which ru in rations directions, it call easily to recovered low difficult it would be I detect the opening in the cheat by means of probe All such wounds whosh difficult it would be I detect the opening in the cheat by means of probe All such wounds whosh the probes of other signs is bound by immediately callenged and the thoracic alls middeningly exposed for thorough examination. A comd cent of

found, would necessitat an immediate operation.

I one hundred and it enty-four cases of nuture of the heart after unjury the proportion of recoveries as 40 per cent there seems lattle doubt that the proper treatment for all such cases rests into the surpros and not in the objection.

3 Induced or chromic catgut may be used with safety but the thor perfers than alk pplied not

too tightly

4 Complet exposure of the pericardian and beart can easily be obtained by removing the fourth of fifth costal cardiages, thus leaving the earth rib in position as support t the heart when the patient is in the erect position.

5. There are its distinct advantages in opening the pleasal cavity first owing it the collapse of the long in the appear part of the thoras, the pericardisms and heart are more completely exposed oil the operation thereby much facilitated secondly it permits of thorough examination and cleaning of the pleasal cavity from all blood clots, high recan never exclude such certainty, the pleasa being in most cases concided at the same time as the pericardism.

6 I ddition t the usual treatment for homor trage ice bug kept over the heart continuously and hypotermics of morphide are extracted useful djunct for llaying the distress and pain. Complet eat in bed for at least three weeks after the 1 vy must be enforced for fee of embodism

The ordinary straight forward incision gives

ample room, which can be further increased if necessary by making trans error incluious at right angles to it. M S HEADERSO

PHARTHY AND GESOPHAGUS

Horison Congenital Stricture of Lower End of the (Esophag | Case Treated by Gastrostomy Followed by Distration f th Stricture Through the (Esophagoscope. Lear, Lond, 9.3, cturly By Surg Oyne, & Obst.

The article describes the case of a boy gredly, years, first seen I August our Shore he was three months old there had been difficulty in sushine months old there had been difficulty in sushine the property of the property

below by means of cystoscope through the gastrost my opening. Attempts at bousie treatment upder an ansethetic and the a allowing of thread from above falled. The child steadily and rapidly improved, and October 3 of returned home weighing 20 pounds. I November o he was readmitted for further treatment if the stricture The gestrost my pening was still his sole resource for feeding, as be womited everything he took by the mouth as before On \overmber 4, 9 under chloroform amesthesia the craophagoscope was passed and a stricture was seen at dist are of só con from the incisor teeth. A fine stiff whale-bone bought f the calibre f ureter catheter was passed down through the amophagoscope i to the depression and after little coa ing it entered the stomach. After this, in the same way, a \ 6 graduated gum elastic bougie was passed int the stomach and then A 8 and t was left in altu f four bours. From this date the child smallowed liquids well, only vomiting occasionally

On January 7 0 3 the coopingscope was gain introduced and the Britterius operand 1 be large enough 1 admit tha tip of a little finger. The typoor of January of histories with the table was the hard bad nobble by the January consistent of the hard had nobble by the January of histories of the hard bad nobble by the January of histories of the had nobble by the January of the hard of the month. Daring Marrit the child continuous to improve and the mother was the t pass a N toughe without trouble. Downto C Baltory.

Bessler Early Disgnosis of Cancer of the (Egoph agos) A New Techniqu of X Ray Examina tion J Am H an 9 j ls., 183 B Surg., Gynec. & Obst.

The principle f this method is t plug the lower end of the ersophagu so that a bismuth mixt re is

retained long enough for a picture: I be taken, I wader appraires is as fold a T one end of four foot forth forth for me the picture is a related to a related to the picture is a related to the result of the related to the related

and fast need about the forehead or round the enert the pattern A eight of from ne half t one pound may be employed t hold the bug typhth against the cain. A tring insule the t be guarda against t breaking but still permits the fast 4 cm is still the beach and be for the er amound of the still the business of the still the still the still and the fast of the still the still the still the and for far to into the pullet through embette until the must for poears the mouth.

With the pat end is od me readouraphia ne the team in the interfactional positions with the kill side if the back it the plats. When the plates is taken the the refraserd and the bermuth flow int. The storm in The reck as then opened, of the size rids about of the bag. Tater of the stormach may then be mad. When it results is yet at the host practicable in the contribution of the size is the stormach that the size is the stormach the size is the stormach the size is the size is the stormach the size is the size i

Von Fl k Pla tic Repair of the (Essephingus (Über platikelen Ersatz der Speisertüre). Lentratk. f Chir 0 3. 21 545. By Zentralid. f. d. ges. Chir u. l. Grengeh.

The author used the body of the stomach, the pylorus and the horisontal segment of the duodenum to replace the croophagus of a female patient, forty seven years old suffering from carunoma of the gullet. The proced re was as follow. A media incision wa grade from the umblicus t the xyphoid cartiloge. The stomach a liberated on its greater nd lesser curs ture by sectional figures of the lesser and gustro-colic oment in from the edge of the carcinoma to the vertical part of the duodenum. The duotesum as severed at the junction of the borrontal th the vertical branch the latter as losed. The minth rib as resected bet een the parasternal od mantmary line ad the parietal peritoneum was opened. The tomach was then brought through this opening and drawn p aterior t the thoracic all, a hentaneously. The cardia end of the stomach as fixed t pentoneum at the resection perture. A posterior gastro-enterestony as then performed. I thoracle skin t be as made ad sutured t the free opening in the dwode-

um.

I the second stage I the operation, the exceptagus in received in the lower portion of the neck, and the arguer end distanced in the appear end of the anti-bloomer state is the This latter part of the operation of the control of the carbona. The without before that his method can be med out to said and offer great schaat great schaat or and the said offers great schaat great grea

SURGERY OF THE ABDOMEN

ABDOMINAL WALL AND PERITOREUM

Grant Ligneous Phiegmon of the Abdominal
Will Jim Vide: 3, lx, 30.
By Surg Gyace, & Obst.

Grant says it is probable that this disease halbers observed she some name or form more frequently than halbers reported. It is not known that I green philipmon chough observed most frequently is the feel, many occur in any part of the body fouring the last 6 years instantial additions have been mad to the literature of the subject in case reports and contributions.

The only pathogonous is sign in extreme harders, and the control of the control o

(staphlecocel) are found though Dute may many varieties of hacteria ha bees reported Kirchloreffer pseudodiphtheria, areptococel, bachles protess, staphlococel hite nd yellow — Il of ttemated wulfree

fersant report cases, both of the abdominal and its cost-ades that the due-use occurs general by iter middle hi ith impaired restrance. The immediate excell g cause he also infective process with or thou tra ma. It is also degenerative degenerative.

inflammation affecting connecture tissue, lastle and sourcies, and finally the alon. The usually alow development, interrupted and protracted course and final resolution are characteristic. The dura tion is indefinit but is usually from several months to a more years.

Howal Operative Treatment of Tuberculosis of the Pertitoserim (Operative Behandling der Bauchleit bertalow). Learnille f Chr. 9 p. tl. 446. By Zestrabl. L d gen Chr. a. i Gerosph.

The uthor reports forty-one cases of t berculosis of the performant hich were treated sargically

during the years 896-19 at the Mareinkrunkenhams of Hamburg. In each case simple inperotomy was performed, using an incision from umbilious to symphisis, and draining if eaches if present. No further procedure was carried out in the abdominal cavity In almost every case the wound was promptly closed, I no with giver wire. Sixteen of thirty-three cases operated before so have died of the remaining seventeen cases (which makes fifty per cent permanent cures) twelve were re-ex mined and had remained cured. I this series of thirty three cases, twenty-three had ascites and ten none. The author believes that the combination of pent neal tuberculous and ulcerative tuber culods f the intestine flers an especially poor promosis when treated surpeally

Bagord Subphrenic Abscuss (Empeirus schirenico) Clia. cher , 9 3 xxi. By Zentralbi f. d ges. Chir u. i. Grenogeb.

This comprehensive monograph gives historical review with about 50 references. Portrayal of the anatomy of importance in the spread of inflammatery processes from the abdomen t the pleural space are the large openings, further siles in the muscle fibres, in which the pieurs and peritoneum approach each other as far as the subscross per forating lymph vessels (Kuttner Sapey) finally the barsa pieuraha retrocardiara (Broman, Favora) which develops in the embryo from the bursa omentalis and may be preserved as small outpouching ventrally and to the right of the croopingus. Exact topography of the organs and recesses bordering on the diaphraum. After consideration of the pathologic nguificance, the following division is made (A) cavum superius dextrum between the right lobe of the liver and the disphragm 36 per cent of the becemes come from the liver bile tracts, and ppendix The falciform ligament separates this space from (B) cavem superios anistrum. This falls int two parts. Cavum medium corresponding t the left lobe of the fiver and the stomach. T enty-six per cent perforations of the tomach and Carum laterale, bounded by the stomach, colon, and spiece, 8 per cent. (C) Cavum inferrus subbepaticum bile tracts 5 per cent. (D) Cavum postrius retrogastricum Pancreas 4 per cent.

Ontade of these intraperitoneal suppurations (exception D) was and retroperitoneal becauses, as per cent. They force their way through the cellular these between peritoneum and disphragm especially at the parietocolic angle. Appendicitis, colitis Perenephritis more frequently on the right. Course resorption rarely Involvement of the pleura frequently (a) as regional sympathetic inflammatory processes in 50 per cent, then as an extension of the supporation or perforation in 5 per cent, more often in the retroperitones forms. Then there results free pleural empyema, an epi phrenic abscess. Lung bacess perforation into bronchus, 6 per cent. On the left correspondingly pericarditis, mediantinitis.

Detailed description of the clinical symptoms Of importance in the Rontgen ray examination are disappearance of the recessus costodiaphragmatici immobility of the disphragm high tanding disphragm, ofte bove the dark shad was spherical abadow of negnal density corresponding to experimposed air bubble, bounded above by the disphragm and movabl with change of position.

Consideratio of the individual forms of the disease with fourteen personal case histories. Four operative routes are considered Laparotomy with an epigastric abscess. Suture of a gastrointestinal perforation not to be recommended. Rib resection without injury t the pleura (Lannelongue, Auvray Marwedel, etc.) 3 Transpleural route. 4 Lumbar incision. The a thor material comprises three gastric, two duodenal, three hepato-billary six appendicular abscence. Nine cases were curved apontaneous perforation into the bladder and bronchus, each one five after transpleural operation, laparotomy lumba incision each one.

Ebler Herniology of Inquinal Hernia (Prisperky ha berniologie kyly trisshis) Car lest lik Prague, 9 2 ld, No. By Zentralbl. f. d. ges. Chir a. i. Grenageb

The a thor gives the results of operations f inguined hermus gathered in the but eight years. In spat of the most searching observations of anatomical characteristics which were made for the recog nitson i congenital bernial same, the question of differentiation between a congressial and an acquired sac is not always possible. In addition t the points given b various authors in the literature there is one which was not pointed out before namely that the congenital hernial sac rises on a level with the tunica vaginalis propria as an original continuation f it, while in the acquired bernial mc

I a few of his wn observations he could deter

it may lie on the opposite side

taine this symptom in young narrow sacs with certainty He discusses the various forms of divertic ale and recesses of the berolal sac, which he lassi hes into five groups namely simple dilatation flat recesses in the hernial sac wall pouches along side the hernial sac cavity, divided and finally double sars. In his second article he takes up chronically inflamed swellings of the abdominal wall, following operations for bernia. Cases re cited. In a man 46 years old, two years after operation for

right-sided crural omental hernia which could not be reduced and a left-sided inguinal hernia, there was observed cloudy urine and diffi culty at stool. There developed at the insertion of the right rectus muscle on the symphysis a tumor the size of an egg hard and nodular which seemed to grow from the bladder The scars f the opera tion for the hernia showed on changes. The diag nows lay bet een carcinoma of the bladder or a connective tassue tumor in its vicinity an inflammatory swelling. At the operation which

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we undertaken it as seen, after opening the peritoneum that the tumor was mad up of the oment m nd the posterior surfa e of the crural bernial sear. It i nded int the bladder as tumor ith concentric tags and onsitted of a chronically I flamed connects these new formation. It rose at the sit of infected all, lighture. There a s fistulous tract t rd the bladder. The I bility of not ring the perit neum because of the resection of bout fourth of the blackler necessed tated plastic operation lifs the mentum. The pressure f the tumor against the bladder and the opening of the fistula int the same explained the symptoms of the bladder. The severe palms ad difficulty in defectat in the probably due t the rtensi dhemons of the omentum I the minity of the fir are. The second seremarkable because of the size of the t mor formation. I man 4 years old ho shortly before his admiredo int the h u. t l'y gue had been operated for left

sided against herms there developed, at the tof betuin bach still present t more in the If the size of loaf of bread 1 m latemina! diameter bick seemed t extend I t the b dominal ty It of bird consistent ath nod la border l'here ox sposal med f tempe ture. I malls the tumor reptured ad a th the cout it ther me out several safe bentures

hich had bee meeted dun g the operation. The tumor duarrented gradually

T other arm of flammatory t more follow use formation of bitule feer radic foreration, reited. The thor d was rabcal over two to this type of t men ther estatustion or stense incresons. Although pass differential diagnosis of the brunk in inflamed new formation apport be made from above samons. I still present init type if t ppears after bernia operations so the ac or it winit as almost mptombre growing namor high does not seem t. flest the neighboring organs the conclusion of នេពិរកាការ afected limitate tory tumor resulting from be dra

I the third reper be dealy ith tra matic guinel bernia. The thur describes three cases of inguisal bernia th ongenital bernial sac h h re made

manifed through traums

From these observations it can be seen that trages the hermal can result from single tragens through an at ident I judging the manner of production of the t. umatic bernis the question is. it novable for the peritoneum in the vicinit of the internal ring t become so loosened through I I ry or through the force of sangle action of the abdominal pressure thit is accan be formed in the ingulnal casal? The older without regard it as physiological impossibility because of the anatomical connectio of the peritoneum Ehler however considers it proven by finding d finit hernial sace up t cm length, noperations on hernix result ing from a gle direct or indirect tra ma They present team f the casels and extravauction of

blood under the serota which plainly show that the peritoneum was loowned from its fixation.

I the insjective of cases of traumatic bernia e must tak for granted a definit predimoni tion either a preformed hernial sic or

wagenal process through which possibilit of the bulging of the peritoneum i upported The diagnosis of traumatic bernis cannot be

definit ly made without operation.

I the last rick he deals with myoplays in radical operations for inquinal bernia ad gives a new method of operation. The radical operation for guinal hernia by Barnini must be regarded as one of the first and simplest prophestic operations. bern se it forms double losare of the posterior all of the inguinal canal out of the musculature of the infominal all I large ingulasi bernie the method of Bassim f ils because it is impossible t suture the briominal opening sufficiently. The choic of the muscle layer is m only tr of incumal bernia is seen t be very prioritant hen one remembers how the inguinal rgion comports itself flet the massle layer hich ha been fartened. teen t contract

mind that the incrinal and crural Hearrag operangs are auterimposed one on the other and are separated and by Poopers Meamorat some take t for gra ted that the contraction appeard ad and f muscle high has been ttacked t this byament ill necessaril produce widesing of the crural opening and thereb lead t the formation of the crural herms. This observation Foll actually made feer union the rectus muscle. The best methoil is the use of the raternal oblique and the transerable as the author ha described. The muscle all is fill thy separated in the course of its fibers. The movile flan is turned do and and

ard and is stret bed indiffastened to the public t bercle and sewed t Poupart hgament. external aponeutous is lastened over the flap as I sees. The object of rada I operation is arrived t her we the closure of the opening is made. Ith the h mg muscle high ca contract and I the time of the 1 etching ca mak the opening smaller

It is fact the ideal closure PITTELLEGRAM Judd A Single Transverse Incision for Use in Double Inquinal Herniotomics. ON Decision

By Surg Corner, & Obst. JOLE S The object is presenting this paper is to call attention t the use of the trans erre incision inphilippe increions cases of double

tend of t ingulari berma.

can in length. The incision is made from 8 t or lower to fleshy patients, from point mid y bet een the laternal and external abdominal rings of one side t while point on the opposit side, thus connecting the t inguinal canals. The increson passes directly through the subcutaneous it ad exposes the aponeurosis of the external blique muscle. The lat round cach external y for a short distance and ring is dissected

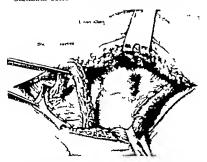


Fig. (Juid.) Sits and superficial twees reflected exposing the faces of the arternal oblique and showling external chaps and contin. The incubes through the external oblique facet, is made one-half such to the inner side of the incubal canal in order to mak. Sup for or exapposing

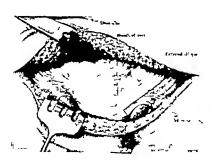


Fig. (Jold.) Fascia of external oblique has been reflected cord and sac re id ed up perputa ors t. dosecting the sac from the cord.



Fig. 1 (Judd.) Operation complete on one sade. Appeneums of the external obloque on more acts of the increases, a nechasic in the stitches through the precise, componed tendon and internal obloque and se pulled down to Pospari's legament. They of these carried one cord has between the t. Layers of internal obloque faces,

then, by properly retracting the skin and subcutaneous tiesnes of either end of the incision the entere inguinal canal of th t sid will be exposed. The hernia on this aide is repaired aid then the same retraction is made on the opposite sid for the repai of the second herma. After the operation on the herniar has been completed the superficial timies to loosely sutured. Ith catgut and the skin closed either by subcutaneous extent suture or through-and through horsehair stitch With this incision the exposure of either inguinal canal is fully as satisfactory as that obtained when an oblique incision is made directly over the inguinal canal on each side. The entire length of the transverse incinon is often not more than that of the oblique incision, as it is ordinarily made for the repair angle inguinal bernia. The bleeding is very elight, as rule only th small branches of the apperficial epegastric vessels come int consideration One of the principal advantages of this method is seen in those patients who have worn truss hich has compressed and hardened the region or possibly has blistered and broken the kin. The injured areas, in such cases, re low and beneath the in guinal canals and are not encountered ben the transverse incision is used. The location of inguinal hernie is such as a mak it difficult a prepare them for operatio and it sometimes happens, after operations, that the lower end of the incusion, either through infection or through an commulation of serum t this point, does not beal ell This com-

pilentico is more irrepently seen, hen two obliganomous have been used for the repair of do his brenker and is probably due to a greater interference i the derivation of to more extreasive manuscian of the tossics for the double between The preserves incusion beals we'll and entirely oberlate this possibility. This method may be applied it say can bere it is destrict to expaise both carrie or stakes. It ill be found very useful in cases of double hydrocele and, as has been described by Peterson, is useful include in the Alexander operation for aborteaing the round ligaments.

Barker 'Th Treatment of Large Hernles. Lead, Lond, up 1, thuniv to By Surg. Cynes. & Obst.

thor says it is not the ctual size of the tumor that is the betacle, but it is the fact that these voluminous bernis are not going t be taken way but have t be ret med into the cavity f the abdomen. If a very large bernia containing much omentum and other fat be returned into the perstoneum the pressure within is considerably increased and sometimes ith very holorious effects. Perhaps the worst I these is interference with the movements of the disphragm. A patient affected by the conditions just affuded to should be put t bed for some ceks on strict regiment reduce the smount fft and fluids in the tissues, and dally stempts should be made t return and return the bernia sthin the abdomen. If the mass can be reduced and cause no embarrament t remiration, one

element of danger is eliminated. The restricted dist, and, before all, the denial i fluids, may be reful red by purgatives regularly t. about the bot its and further reduce the volume of the abonimal contents. Acute brouchits, marked alloumhurds much sign in the unas contra-folicates immediate operation, except in cases (urgney The witho does not behere, part from the conditions referred t that sign unless if the erry dvanced affects the

t that ag unless it be very dvanced affects the q extion f operation necessarily. The possibility f extensive diseases in large hernis has also to be carefully coundered. When the omentum is diercut to the sac, the latter is removed with all the adherent continum. This saves much time and bleeding.

The preparation t the patient has the most important bearing on the persitive measures which can be adopted to three large hernie. If the pretrains can be red ced unt the abdomes, yet eff ri aboud he mad to retain it there in refer that it her vices raill become accustomed: It is preparative that large terms about the grall report daily asking in the hortest water that can be borne and often astronger that apply the loss for a long time that the pretrained in the pretrained that the major that the pretrained that the preparation of the pretrained that the preparation of the pretrained that the preparation of the pretrained that

ion there is no better antherpice application than jo per cent of too f foliage in eithylene dichionde punted freely over the field operation. For anothers he seems I perier sponal assignification of the consideration operation curried out with done with care (harpe are need not be discreted forpailly out (it seems in If there is recorded forpailly out (it seems in If there is recorded for twenty to out, drain should be introduced for twenty be troubleome. The we of nilver filiprees is an accessary in the large majority of cases.

DONALD C BALFOUR

Sturer The Function of the Great Omentum (Zor Frags der Funktion des grossen Actses) Med. Euclischus, St. Peterab o 3, lexis, 70 By Zestrafik i d ges Chir. u. Grenngeb.

I accordance with Oppel opinion that the omentum should be resected as because it is a relays and beredam place for bacters, and Hersner opanion that it is, like the ppendix, radimentary organ. Stuzer cites Ranvier's opinion that it is to be compared to the physiological properties.

The next gation of other a thora show a limit in mind with a nomentum accumbed 1 pertined infections lack or borne ithout difficulty of the name of the first of the first perturbation of the manufacture of the content of the content of the first perturbation of the first shower disciplinary perturbation of the first perturbation of the first shower disciplinary perturbation of the first perturbation of th

The sthor repeated these experiments by inject

ing into the peritoneal cavity of laboratory animals suspensions of colon and anthrax bacilli i India ink and after a definite time noting the findings in the omentum. The collective experiments show that foreign bodies re taken p first by the microphages and then by the epithelial cells of the mentum and by the macrophages which take up the microphages. After short time the i reign hodies are found i the lymph glands and nodes of the omentum, and intense irritation, as by pus bacilli the mentum encloses the focus with plastic equidat Laboratory animals without omenta react t the same stimuli with a hemor that emdat and fibrous deposit. In these ex perlments deposits were, moreover observed in the mediastinal glands. According to Sturer th mediastical glands the lateral ligaments of the uterus, and the peritoneum are respectively the next most important fact is in protecting the animal against peritoneal infection. The omentum is fint. VON RETREES.

Stanton Diverticulitis. Roses M & S J q 3, christ, 343. By Surg., Gyncc. & Obst.

Meckel is a tru congenital diverticulum, em braces all the coats f the intestine and is due t the penistence of the omphalo-mesenteric duct. The autopsy records f Johns Hopkins Hospital show one case of this in every seventy two. It is usually attached t the sleum our the cocum and consequently in its symptoms it resembles appendi citis Its most slarming complications are betrue tion, o strangulatio d t adhesions f the diverticulum to bowel or abdominal wall. The a thor' case was child of an always at kly and poorly developed vemiting as free ent, and constinutio the rule. New growth tuberculous perit nitis majoutrition and chro ic doodenal indigestion were some f the diagnoses made by excellent men. The abdomen was distended and flat t percussion a fluid wave was present. Peristalah was visible in th apper abdomes. Tenderness was lacking. At operation was found an enormously distended stomach, duodenum and leiun m - all with hyper trophied alla. The cause was an adherent Meckel hich as freed and removed

Acquired diverticula are really hernin of the monous membrane through the muscular cost and are usually found along the meenteric border. I the large latestane, mostly in the signoid and very narrly in the rectum. Their cas so no obscure leady make of ding or just past middle ill are the usual victima. Frequently there is companying inflammatum with mass often thought to be ma lignant in which frequently found. It is imports t t have ex-ry signoid gro th carefully examined before labeling fit cancerous.

The symptoms re left-sided ppendicitis with severe general pain localizing later n the left. bomiting is uncommon but tenderness and rise temperature soon appear and a mass develops in the left lower quadrant. Ston in the kidney and pea infection must be eliminated. The treatment is surgical except in old people or ben the attack is slight Stanton for cases were men of thirty forty eight sixty three and sixty five respectively The first had tender mass on the left and was relieved by operation. The man of sixty five had a left-sided mass ith obstruction which proved to cancer secondary t diverticultie this was removed but the patient died of pneumonia in the third week. The man of forty-eight also had a tender movable mass on the left which finally duppeared he refused operation. The man I sixty three had for years attacks of left-sided pal occasionally accompanied by omiting at boot the end of the second day I each track trader manwhich despress thin a few days, can smally be found in the sigmoid. I view of his ge and excessive eight operation was not advisable

Nicholson Th Urachus as a Factor in I testinal Obstruction; with Report of Case Laun-Cline to 3, ciz, 255 By Surg Gyner, & Obst.

The thor reports th case of ms 34 years of age to entered the hospital with a pane of 40, temperature 07 respiration 36, greatly distended becomes, and complaining of most latense pain bout the region of the smithlers

An incusion just to the night of the median line criteriding from point one hole above i four inches below the umbiffers, direktered a long of literan resisted upon Leifl which was surprended by a cord extend g from the umbificus i the summit of the blackler. After the much discolored bowel had bees released, the cord was ligated at it attachment and emoved. Patent made an ingeneral aftercovery.

In ducusion of the origin of the cord causing the obstraction, it was also from the studies of embryos and fectured from my cells I four months of gr by Quare and Ves that the ellis tokidineck first notified in the returnal wall of the embry be also that the control of the control of the bloomes cayly by this membrane. As the result of an arrest of development in the trainst toy existence of the primit! I have membrane may be remarked to the period in the membrane may be control of the control of the period of the membrane may be control of the period of the desired of the de

GASTRO-INTESTINAL TRACT

Gollhat A Picture of a Directiculum of the Bromach without Corresponding Loss of Any Portion of the Bromach Wall (longe threecations of Fenomes as correspondent par 8 mm petrs de substance de la parting \$1 8 ml of seen. See de clar de Per 0 3, 2022 2. By Jeanal de Obtompie.

in man, 65 years old he for thirty years had had slight stomach trouble and had recently had severe pain and trouble with wallowing, radioscope, examination aboved. An exophageal poors, characteristic of a cardioons of the cardia 2. A diverticulum of the lesser curvature indicating that this region was involved by the acoplasm. J. A large diverticulum of the greater curvature.

But a a laparotour testing management and a laparotour testing dependent and the product of the large directional parameter acceptance did large directional design and the large direction the season. This apparent diverticulant her was due ruthrely t an boornal and passing roterior to It should be stated that the direction of the leaser curvature resulted fund whereas the one in the greater curvature addeding the radioscopic examination t be affected by the movements of the storacch.

This observation shows that radioscopic examination brings to light many poi to that ould be

missed by simple radiography
Dynast cited case in whi

Driant citied case in which the radioscope as deciving I a case which he and Enriques had diagnosed disolenal tuler radioscopy made by Enriques had disposed of a deep like inde tation of the greater curvature extending toward the lesser and remained duming the whole translated of eight the novembersh of the stimustic, which stude the normal stimustic and the stimustic stimustic

Ranas ducessia the case of Guillor, sported case in bach there was perfect picture of an hour glass stoma in the stomach being completely divided int it parts connected by marrow canal. This religiously be to the making of a series of endicate-pice of large the series by years in all of hich enactly the same at the of affairs was found. It constant occurrence during three years made in series to be fasted lexicos. However, to operations the contract of the series of the series of the series of the sight of an old, small healed skern structure in the lexic curvature. With did not persist under the relaxation of an annual series.

While recognizing the immense value of radiocopy and dmitting its superiority a suping radiograph is must be granted that pictures of the stomach containing boins of bismuth must be subject to minut and repeated countral and hould not be accepted except hen baterpreted by shifted observers.

Seese Callous Ulerr Involving the Entire Stomach; Racidson with Comments on Complet Less of the Stomach and the Technique of Stomach Resection (Uleas calloum extrail totist; Entireston, setts Semenages ther dor damenden bette der Magera sorie ber du Technik der Magerackthon). Handen and Rikande

9 3, lz. 650.

By ZastraBi. I. 6 gas. Chir. a. i Genegel:
Demonstration I an extreme case of contracted
stomach resected in tot. The entire stomach will
involved I a cultons ulver. The Routgen picture.

had show it as a narrow shadow of about finger' breadth, slightly arched and extending from the emophagus to the region of the pylorus. It had been diagnosed clinxally as malignant stenosi of the pylorus The at mach wall as cm. thick, the submucosa being hiefly affected. Carcinoma could not be demonstrated. There had never been an bloody miting and blood could not be demon strated chemically in the stomach contents. The patient bore the operation well and year and half later had gained to pounds in weight, from which fact Same concludes that the complete loss of the stomach ha no bad effect on the state f utrition. The technique i this operation as as follow Vit treeing the greater od lesser curs tures, the st much was cut if t the pylone end Tra tion as made on the stomach t pull do the cardla end and the orsuphagus. The an incason \$25 made in the mesocolon the pper oil fthe jejun m drawn through it od sutured t the posterior sur in of the dust end of the st ma h. Finall the stomach as severed at the cardia cod and anastomous omplited in the usual a y have recommends this as an exceptionally good technique f this operation

Kolb The Permanent Result Obtained with Lifestion of the Pilorus with Omentum and Fracts; (t. nerr Deurreshitz the der Luscherung des Pilorus mittle Nets und Fame) Deutscher der Aest 3 En Zeninsbi I d ges Chir Groupel.

At the findelberg (lime, the that has practiced ligating the p lorus with utoplastic material (omentum od lastu) are fillerding alters f the tomach the duodenal stenove in place fith umlateral pylorus exchusion method. I von Eusela bern If treat deschieen cases three ath omen turn and hiteen up fascis. The hist nine cases dat ba k rane months and are alone considered All name cases ere exampped lately. By means of beamouth pact res it was found that the pylorus as closed in all and that the stomach emptied stielf this our bour through the gastro-enterestemy opening. The patients looked. Il. had gamed in eight and felt ell \ occult blood could be

demonstrated The technique if the operation is as follows. The strips of fascia are 1 least 3 cm. sde, not too thin and tree of all fat and proscle. If now uses only the fascia lata. The pylorus should not be tied too tight. just sufficient to occlude the decidental homen. Such strip does not relax if t is sutured to the scross with ane alk or catgut, as was demonstrated in the re-examined cases. Parlavecchio also advises this. The the fasters one end of the fascia t the serous by means of sutures and then dra the strip through and fastens the other end, placing few anchor sutures to prevent it from moving. The fascia is not knotted. The ideal method however is the unilateral pylorus exclusio of you Encluberg. The duadvantages (more serious and time-consum-

ing) mal a more rapid method desirable in weak ad anomic patients. The thor believes, however that the autoplastic ligation of the pylorus deserves the perference over the van breisherg method. I those caves high no facian a validable the ligation can be carried out a thin strip. I ment in just as exceedable.

Köttner Doodenal Ulert (Uleus dooden) Deutscher cher Keng 0 3 By Zentralbi f d gen Chir n. Grenageb.

ther discusses the most important points in the pathology and treatment if duodenal ker his on experience and that I righty based renng total f eight hundred other surgeons sees. The prurent ducrepancy bet cen th Germa ad Ingle-Imerican beurs is explainable hen onditions are onedered in Germany there are a large number of cases in few hands, bile in the Angle-American ountries the operation is Th pre performed ally in the d anced stage duposing I tors of an acut duodenal k disposing I tons of an action quotient it at laparetonsy appendents septa efections, et \(\text{V}\) ording t the utbor everyence amputations may be added t the list. They part also predis-pose t the bronze dier. Of the ymptomations the nameron is the most important as Moymhan emphasizes. The be get pain is of equal sig-subcance to the lat pain, or night pain, and with the periods t. The pains are due t. pylorospasm and are not parts ularly pathognomone. They can in these entracted and in carcinoma. More constant is the periodicity as result if the healing and ecurrence. The absence of occult blood in the interval is important. Something has lately been resord in the obje to andings. Hyperchlorhydra. is not constant od not very frequent. Of more importance is hypersecretion, which may be present even in the empty stomach. Achierhydria may occur Motility he s intermittent insufficiencies. and t anot sy twelve-bour retention (Kamp) Occult blood may be absent, even in the florid stat Spontaneous and pressure pain is localized in the epigestnum usually to the right of the median line but more frequently the sensitiveness is diffuse

Only the ulcers in the anterior wall can be seen during laparotomy therefore it is necessary to open the duodenum (Walms) Complications are i quent so that Simmonds finds a mortality of 70 per ent, due to perforation and hemorrhage. Ulcus ventriculi is frequently accidentally found As boundary line between stomach and duodenum the vein f Mayo is sufficient for practical purposes The differentiation of gastric alcer from duodenal uker is important from a prognostic point of view There is alight tendency t cure a healed duodestal ulcer is carel seen. The treatment must be surgical so long as the results of internal therapy are doubt ful. Indirect surgical treatment is the more frequent procedure, as resoction is highly dangerous and possible aly ulcers (the anterior wall Of the indirect methods, gastro-enterestomy in absence of

tenosis i insufficient. It is necessary t produce a stenove. S turing of the ker liter tuckling it in coording t M years us not eat f tory in Il ases ad a mpossible experiment for Lightion with out material is also unsathfactors. The If his method of hightion th lasers does not seem ett at utligit I ppener. The leaf method is the h sun of the pyters at ord gif \$\forall \] Liselsherg but the oper t mortalit is nereased oper tand thou but pre ent ; toperat hamorrhage It t I don onl wa beer be performed to easily all cases externate it treatment should be carried out Perforation demand early terferent forts right hours tis hopeles teast terestomy should be done prim rily or second rily dditto t other receivers procedures. The treatment of hamorrhage is nalogous t that of guitte ulter is moderately severe and rec it ng mild uses redispired to the or two I some representation of a in fes w as the un usually in the posterior all.

Elsen Duodenal Mottlity H M.J. Ext. 5.6 By burg. Gynec. & Obst.

The other disc see the ecognition in the duron see of hanges—th mit lity of the atomach pres rush) thought the normal oil due the isonate from far dust the hanges are threed duotienal mot it.

The most of in tool of the descleration occurred the homical harmon the at mask outcome the dealt of the old in the morth descend the description of the latest of the policies referred to most of of the latest depends the entire of the latest operation of the latest depends on the late

The mothits of the toma h thought t be normal if the at much as found county seven bours (ter Leube meal but t is often cuipt t hours later in duodenal alcer nil in other midget lesion and in lorneman is often demonstrable. I these conditions an examination of the f ting stomach show an open pylorus. The bismuth mest passes immediately int the duode in mall revolue remaining in the bulbus doodeni and the rest posting rapidly through nt the jej um. This phenomenon is repeated ith the ingrition of more food, due t lack of pyloric variof through the duodenum and not depend 1 pun the degree of scidity. Occa-sionally a small residue is seen to the left of the pylorus, hose presence is rein to the pylorus, hose presence is spillored by suming the presence of pylorusaum. This pylorusaum is considered by some t be due t I creased cidit of experiment show that the pylorus opens

when a cert 1 degree 1 delity sist in the non a h 1 rithermore secretion is routrolled by the gr. hille pylorogic or 1 a my enterior infect action. It seems 1 the a thorp harolbe that the facel, an has 1 recorriso or er the pylorosis lesions of miligut derit it er so the gree har lost control the production of all high photograps occurs.

the precient f hyperackiny

I n has noted by peractity in producities fraham proculic to a full blader trouble and Morndra 1et ever gratife ker is not primarily toon he soon tot a horne infective beton its some abelomical organ in hich more actor later toom from to me t time arther cas at transient exactria toon in the ymptoms. If has forced to the producing the producing the producing the producing and the producing the producing the processing properties and hyper content and hyper forces to the producing the pro

I facted toms has the position is often this my offen in the right. The hape is chief deer musted by the nationical relations of the mosculin force, their this president in a state of tools contraction hipertony. Dependent grow this hipertony Dependent grow this hipertony is the excessive permission to charge as hipertons which the carestra permission to charge as hipertons while of organization is a hiperton while the carestra permission to the car

C noon is provid as remmarating partit persists consulting of actual on a training restrict persists of the provided of the provided partition partition

when belief.

The first four inches of the duodenum must be considered functionally part of the tennik. The result of the open plyona is the indistrapping diffuse of the duodenum, abose content more rapidly as due to the consideration of the content plant of th

th part Radiocopy has abox that even in marked doo-denal obstruction there is bitle change in the size of the stoma is I drookeal areason one can see Bretly perfection. Blood propersions of the doorsetter, and the stocked propersion of the doorsetter, and the stocked propersion of the doorsetter of the stocked propersion of the doorset property of the stocked property of the latter of the

ing upon a marked and long standing obstruction, which because of the small quantity and liquid state of the duodenal content is of allow progress. Antiperistation is loo seen at times. When streamle is complete. Imper-like projection is seen extending from the pylorus to the point ! tensus.

E K ARRITION

Rowlands J Junel and Gastro-J Junel Ulcera-

Gay Hera Gas 9 3, xvvil, zap.

By Surg., Gynec & Obst.

A general discussion of the etiology f the condi-

A general discussion of the etiology i the conditions under consideration is preve together with description of the treatment and report of tecases. J Jiani and gratur-joinal unders follow a certain percentage if gastro-interostomic but it is significant that has beere been recorded as following gastro-interost my which was performed for mahpuant disease. The parent imm sity blich these cachecite patients seem it copy is probably due to the diministron or beence of free hydrochlome odd in their gastro-interost in about 5% if the cases where gastro-interost in a performanoperating in both of which the citi gastric fulce unmitted with the bille or panceratic juve comes in out with the mucous membrase of the relevant

The uncertain essess it is original siter it the si match or droodenum may play some part in the new niceration. Some the most likely rechronk espite absorption from an inflamed pipendir or gall bladder or the ingestion of infective material

from a septi mouth.

The symptoms usually poses after a consider able period of apparent good health folio mg the operation. The first thing compulsed if is budgers ton, with symptoms admissing those of denoteraal unier except that the pain which the patient essuity describes as burning in usually situated to the left (the middle like above the level of the unfollows. Further, its middle like above the level of the unfollows.

Further its relation t food-taking is far less striking although it is usually aggravated by solid food so that the patient hmits his diet mainly t liquids and soft foods. Sometimes the pain is relieved by food but it usually comes again in an tx. Usually there are nauses and loss of appetit and occasionally vomiting and even hemstenesis, with signs f dilutation f th stomach. There is often tenderness and rigidity t the left 1 th umbilions and there may be an induration here due to plastic peritonitis, with adhesion to the parietes and even cutaneous fistula may form. At any time signs of perforative peritonits may develop. Sometimes the patient has been perfectly well following his operation and the first sign trouble is ery cute pain in the bdomen with the rapid development of signs i perforative peritonith.

The treatment if these ulcers should be medical

until it has been shown that this is of no vail.

Medical treatment consists mamly of rest in bed, feeding of bland all minous and fatty foods, and

th mentraling f the gastric julice with alkalies.
Radical operation is usually undertaken after
medical treatment has proven f no vall. Finney's
method fendariging the priorus may be used to
method fendarigin the priorus may be used to
method densities un som f the cases. It provides
free drastage in som f the cases. It provides
of the gastric julice od allo a the patient to eat
of the gastric julice od allo a the patient to eat

A more extresive radical procedure consists in the separation of the is anastomous, the closure I all the openings and the formation I an entirely we and improved gentro-(gluonotomy. This is probably the best procedure I the cond the of the patient will allow I its rectures. More attraction of the condition of the condition of the careful medical trustment, in order to prevently recurrence I for condition. Jazza II Seriza

Ladd Progress in the Diagnosis and Treatment of I tustusception Boston M & S J q 3. drvid, 542. By Surg Gynec. & Obst.

The author states that, now the controversy as t whether intusmsceptio should be treated by infiation and frrientson, o by immediat peration is over nd timely surgery a considered the best trest ment, it is interesting t see whether any reduction in mortality has taken place and whether w. have at our disposal any means for still further reducing it. In 908 Stone reported eight patients operated with one recovery in the Children's Hospital for the previous five years and also ment patients operated in the Infa t Hospital with one recovery in the previous ten years. Codman, in the same year reported ten patients operated in the Massa. chasetts General Hospital in the previous ten years with on peraitive recovery. This patient later died from hernia operation. These cases give a mortality of ver 90 per cent. I general hospitals the surgeons have an opportunity of operating only one or two cases in ten years and consequently lack uniformity of method. This suggests the advisa bility of having these cases sent t hospital devoted t the care of children or having surgeons especially qualified for the work of taking care of them in more general bornstale.

The case reviewed were operated by St. be and the thor Each had ten cases in the five years since 906. Six of Stone's cases recovered while five of the thor Bred. I this sense there was anottality fagger cen, which is just half of that reported from its three hospitals mentioned shove here years ago. Thus is encouraging not the utbobelieves the results have been mad possible by the co-operation of the pediatrician, the general practitioner and the surge. Whe surfer disposals and operation, intrasmorptic will be removed from the list of diseases of high mortality.

The following f cts from this series of cases are lateresting. The verage ge of Stone six cases

which recovered was t years, verage duration of ymptons in four (duration not mentioned fasts) was thirty all hours. The average age of the five patients operated by the there was seven months and average of ration of symptoms as forty-eight bours. Of the patients that died the duration of the symptoms was nearly the same. No case was lost, where the duration of symptoms was less than firty eight bours and with no exception no case with other than the same of the same o

Th author draws attention t the fact that the description f intumusception given most text books is that of patient he has been skil for about two days. It is far more useful to the practitioner t remember that ufants in the carly stages of intusensceptio between paroxysms of coli ky pain are ant to look perfectly well and have no elevation of pulse or temperature and that the mother' story of baby who has been a ll and suddenly taken with an att rk of abdominal pure, associated with drawing up of the legs and followed by omit ing, is sufficient reaso for making thorough abdominal examination even if the baby looks well. it this period, before any distriction has taken place, a small mass of resistance may be felt any place along the course of the colon but in this arly tage is most likely t bef it t the groum or bet een there and the middle of the trans were colon. The next sign which presents itself is blood in the stool The presence of blood, a thout much faces and mucus and the free ent movements char tensts of infectious diarrhers, is practically pathognomonic of intumosception. Any patient passing blood as described should be taken t the surgeo at once whether tumor is felt or not. Later the classical symptoms appear the treatment becomes difficult and the prognosts grave.

Lately the antion has been using themeth paste injected into the lower bored to adm in the early disposals of these cases. There are several V-ray places illustrating the article. The biam the travels up the colon residiy and reaches the introsmergation, in these cases it hadrow cast is suddenly and sharply cut off at the pper border. It has only been rated in three cases as yet but the results tend I show that it may be useful in the early diagnosis of drobbful cases.

Green, Relioga and Harris Speatic Paralyti Hena, Betten M & S J 9 3, chvnl, pho. By Surg., Gynec. & Obst.

The article deals with reports of t cases of speatic paralytic Bross following insurcoursy. The first followed a bilateral salpsopectomy and appendentomy. The exercise was difficult to deliver into the median lackion and considerable traction was made in the fleuns near the execut adming the appendentomy. The patient died is hours after operation with symptoms of acts diffication of the

atomach, the distention beginning in the upper abdomen. Partial artopy through the incombowed a annular construction of the item, a locker from the execute where the gave suffered, dall, stightly reidented and constructed. Its walls were in predictor. The part above and the atomach ever predictor of the part above and the atomach ever predictor. The part above and the temperature of the partial partial partial predictors are also as a licensistic partial predictors. The predictors are also in the partial predictors are also as a partial predictors and also predictors.

The second case wis laparotomy for officers, retroverses of subjuditis in patient who had had pervices laparotomy for old pelvic lalianus tove disease. In feeting adhesions along the old ionation considerable tractio in the gut was seensy. This patient their and partial autopy through the operative wound revealed spatie annuals contacter 34 forches long here the gut had been considered to the contact of the partial autopy through the operative wound revealed spatie annuals contacted as the contact of the second of of the second

The conclusions drawn err Death as due to interitial obstructio from a localized trait contraction of the circular smooth music fibres of the small finitetime, cussed by smajical trains. From the nature of to pathology which was probably machalized injury the pleames of Aserbase and Jiesseer the most concurrent and all seasons to be most order to be sent to push the condition seemed the sentie pushtite flems.

The fession learned from these case is the immerse importance of voiding indoing triums at the bowel duting laparatony. The small intertine seems more lable to the condition than the largehence on appendentom traction should never be ande on the item for the purpose of bridgary the occum into the wound, but only the large intention should be employed for work necessary tractions.

Harris Report of Case of Fecal Impaction in the Heura for Fifty three Day with Recovery J Am 11 Am o h, b, 7 a. By Surg Gymac, & Obst

Harris reports unique case of intestinal obstructhe in man he at the age of to had an betraction due t caremouna of the agmoid, relieved after seven days by circustomy At 6 he had fecal impaction fasting forty also days relieved by a ride on joiting lumber wagon At 63 fecal impaction lasting fifty-three days was reheved by lavage of the ilrum through the artificial anus. If thed of acut obstruction from prolapse of the excum through the exceptomy fistula four years after the establishment of the artificual anus. This patient was seen by Harris in his third track fifty-three days after his last bowel movement. During the time of fecal impaction the patient passed only gas through the artificial anus and nothing by rectum except small quantity of blood-stained mucus. During the en thre time be orded on the farm and to three meals a day his appetit beginning to fall only day or ty before he presented himself for treatment. Harris presents in detail the physical and leboratory findings in this case including X-ray pic tures.

Concluding his report he says

Carcostomy may be complicated by contrac tion of the opening requiring dilatation from time to time, by fecal impaction necessitating irrigation through the artificial anus, and by prolipse of the crecum through the exceptomy fixtula.

. Fecal impaction in the lieum in this case was due principally t ingestio of fruit seeds and im perfectly masticated vegetables such as string beans. which became impacted at the fleocecal orince.

1. Mere feest accomplation does not cause urgent symptoms as long as the intestinal gases have opcor tunity to exit. The distention may produce displacement of the liver and stomach without marked interference with their functions.

4. The urine in this case becam dark red from elimination of bile pigments and bematin red red t probilin in the intestine and the write contained a

few hyaline casts, but no albumin Treatment t be effective must be persevering

and should be conducted with full knowledge of the probable existence of stercoral ulceration in greatly distended intestine and of the possibility of separat ing the bowel from the colour my opening by any violence. und

6 Prolapse of the cerum through the artificial anna may prove fatal nalesa skilful surgical atten-

tion is promptly vallable. L G DWAX Parek A Case of Primary Surcoms of the Small Intestine (Die Fall von primarem Sarkones des Denn-

daran). Zonrelbi f Greath, q 3, xxxvel 444. By Zextrafti Ld ges. Gynak. Geburtah. d Grenngab. Sarcoma of the small intestine is more frequent in men than in women The percentages quoted are

o 8 per cent (Baltzer) 77 5 per cent (Reinwald) the cleven cases reported in the literature. Patek adds one of intestinal sartoms in a woman who was operated upon.

The patient, 49 years old, previously well, took sick three weeks before admission. She had intermittent atta ks of severe pain in the right iliac region. Littl importance was trached i these ttacks even after the abdomen showed enlargement and increased resistance. Fever and vomiting were

beent, but there was marked constinution. Palms subasded at times, only t recur in more aggravated form. Ouit emediated on admission, bdomen everywhere soft, with moderate tenderness in right hypochondrum. In umbilical region and little to the right hard movable t mor the size of a fist, irregular with rough nodular surface not tender but dull on percussion. Per vaginam the uterus was small and adnexa free. A tumor was pparently adherent t right ppendage by band of adhesions. Diagnosus ovarian cyst with twisted pedicle, or intestinal t mor

Median laparotomy revealed large bluish tumor. covered by oment m little to the right and behind the uterus, so that for moment it gave the impres-

sion of t bal pregnancy. It was difficult t separate the tumor from transverse colou, fleum, and jejunum. Tumor was ruptured and discharged reddish brown finid, and granular masses orig inated from fejunum, wall of which contained a nodule the size of hazel-nut. Mesentery thickened and infiltrated at its intestinal attachment. En largement into abdominal cavity occurred from primary nodule i jejunum size fargely dependent on hemorrhage which had partially organized. Tumor itself was flatulous and friable. Two engorged vessels, the size of a goose-quill extended from tumor to intestine. The gut was resected to cm. on either side of tumor and lateral anastomosis was done. Lymph glands on both sides of spine were large and inhitrated. Perfect union. Microscopic examination Large spindulated sarcours with pro-Inschamorrhage, Section carer the bowel resembled abrosarcome with connective tissue similar to smooth muscle fibre. Tumor apparently originated from muscularls of the bowel

Some there hold that sarcoma of the small intestine does not produce symptoms of stenoels or obstruction and use this t differentiate t from caranoma. Others contend that in half the cases these symptoms do occur. Increased tenderness is east t be diagnostic of appendicitie. In this partie aler case there was only alight tenderness, but severe attacks of pain and pensistent constipution. When the nament reported seven months after operation there were no signs of relapse.

tmenn Vegetative Admonstra of the 8 perior Portion of the Small Intestin Hartmann Sim lating Pyloric Stenoels (Addnones ventants de la partie supérieure de l'intentra grâle minulant la stênose pykonque). Press mod., Par 9 3 azi 14. By Journal de Chirurgia.

Hartmann has had an opportunity t observe and operate upon two cases of polyp of the duodennm. There are of interest because they are very u usual and in each the t mor had produced a gastric stasts which simulated the stenouls caused by nicer

Case A woman, 40 years of age, without a preceding gastric symptoms was secred with epgastric pain, vomiting and diarrhosa. She was treated I rulcer of the stomach but the pains continued the epigastrium became distended and she experienced feeling of suffocation with eractations. Examination revealed the presence of considerable rendual fuld in the dilated stomach. At operation,

October at 9 the pylorus was found t be normal and the first part of duodenum dilated. In the second part soft tumor the size of a turkey egg was found lifting the wall but not altering it. In the first part of the jejanum there was double invagination ascending and descending which was reduced with difficulty Gastro-enterestomy was performed, the second part of the duodenum was incised longitudinally and within its I men was found soft lobulated tumor attached by a pedicle one inch in diameter t the postero-internal wall of

the intestine. The mucous membrane was inched around the pedicie which was then cut, three ar terics ligated, and the wound sintered with silk. The deodenum was closed and recovery uneventful.

Cos a This patient was event and for the control of the control of

wise pormal, and the doodenom dilated. Imme-

diately distal to the doodeno-jejunal junction was mass of twisted coils of small intestine. On untwinting these, the thor found two toroginations of the intestion which were easily freed. Provincial the disorderal-jejunal juncture, tamor was policable within the intestine. This borsel was increaded and tumor studded with alpiple-like projections, was cut the perticle exceed in the opening them extracted. Recovery was uneventified. In October mattered, Recovery was uneventified in October and the perticle and the opening them to the perticular and the period of the period of the periodicial pay discomfort. Microscopic examination of the tumor reverside and of second as in lease to not the tumor reverside and of second as in lease to not the tumor reverside and of second as in lease

one. In these cases, beades the symptoms simulating priori stensis, the occurrence of invagnation or orthy of note. The lavarigation was pourent by not caused by the migration of the polys far in the intestinal wall after it. The fairly of the latestine the sit of the tumor precludes such as replantion. The causes was rather prevention of the mosestar actio comparable to the observations of Peyer and firmmer who when it instantion to animals as result of irritation of the intestine.

J Deposits.

Murphy Contraction of I testinal Anastomotic Opening with Extensive Abdominal Adbosions, Cascal Factule. Surject Cluster of John B. Marphy 9 3, 8, N s. By Surg Oynec & Otst.

A man of 40 was admitted on account of continuous bdomlinal distention and discontion though not much pair, be also had creat instale. The history dated back five or an years when the appendix was removed. Nine inpartionless ere performed in the previous four years, most of them for relief of affections.

At operation the intestines were found matted together and enormously dilated. The anatomosh between the flerm and the descending colors was contracted down; such a small diameter that considerable perstatite cition of the bowel was nec ensury to force its contents through the opening. The result was hypertrophy of the howel and the tention of the intentines. The large intentine below the anastomous was not materially distincted. The large howel proximal to anastomous was not dilated.

The fleum had been divided close to the color and the end of the bowel was closed. About a inches from the proximal end of the fleure it was anastomored laterally with the descending colon, just below the splenic flexure. The anastomotic opening had contracted down to almost the size of a lead-pencil. The portion distal to the anestomosis was very much dilated. The catheter through which he irrigated his bowel passed down into the carcum. When the proximal end of the fleum was swung from the right to the left side the adhesions on the right side that were freed before had become re-established, so there was great tension between the anastemosis and the adhesions of the fleum in the right illac foses further the mesentery was not approximated to the porterior wall of the abdominal peritoneum to prevent the formation of an open oop. Through this open loop large portion of the small intestine bad passed, and compressed the fleurs which passed across the pelvis from the right side f the small intestine t the large intestine to which it was approximated. This spread out as a fan and produced retention by contraction as well as reten-

tion by stenouis of the opening.

The opening present was enlarged, doing typical suture operation. The opening in the opening st

anture operation. The opening in the cerum as allowed to close.

The operation lasted nearly three sours, but the

patient left the table in splended condition. The following day he had a normal novement, the first in two years, and the bowels continued 1 norm naturally. The table was recovered on fifth day primary keeling. At time of report the first-box opening had almost closed. The patient's condition was splendid, and he was gaining in weight steadily. I. J Micrograf.

Connell Etiology of Lane's Kink, Jackson's Membrane, and Cacum Mobile. Surj. Gree. 5: Old 9 2, xvl. 112. By Surj. Gree. & Otst.

The teblogy I this condition is divided into financiatory and non-informatory condition and attention is drawn to the difficulty is differentiating between them. The informatory condition may follow or be dependent non-information to the transition of the transiti

After reviewing the normal, most complicated embryological maneuver usually termed rotation of the account, attention is drawn to the fact that this so-called rotation contains in time definite elements, musty migration, rotation and faration. Each of these properties is described in detail and flowering this is given the descriptions of the possible amounts of the three conditions which may account to the process of the properties of the pro

The author conset to the following conclusions: () Anomalous development offers rational explanation to these conditions. () Coincident explanation for these conditions. () Coincident explanation in the case conditions. (C) Describing the embryolated changes in the Review Council of the Coincident explanation, the conditions of the Coincident explanation, rotation, and fination, no or more of which may be imported. (3) The Jackson or periodic membrane may be due to creative rotation, delayed migration, or early or anomalous faration. (6) The Jackson is that may be due to excessive rotation, delayed migration, or early or anomalous faration. (6) The Jackson is that may be considered to excessive for the condition of the Coincident Coincide

EDWARD L. CORRELL.

Eastman The Fortal Peritoneal Folds of Jonnesco Treres, and Reid, and Their Probable Relationship to Jackson's Membran and Lane Kink. Serg Gyec. Ir Oliv 9, xv4, 341 By Sorg Gyec. & Otto.

There is a striking similarity between the fortal peritoneal fold described by Jounesco and Juvara and designated by them the parietocolic fold and the ad it peritoneal anomaly described by Jackson as membrapous pericolitis, and generally known as Jackson membrane. There is probably also causal relationship between the bloodless fold described by Treves and a pocket-like, anomalous perit neal reflection which is not rare in the adult, and which passes from the mural peritoneum pon the right aide quite low down, extending upward nd inward over the caput coh and vermiform appendix, t be tracked to the last two or three inches of the ileum and t the peritoneum of the caput coll. It forms the boundary of a precedle fome in which the creat head and the ppendus may rest as in pocket It is likely that in not rare instances du ng operations for instances du ng operations for ppendicitis the capet cell with the appendix are shelled out of this personneal pocket, the personneal fold, that is the bloodless fold of Treves, which forms the pocket being looked upon by the operator as an affair of adhesia formation.

Moreover although conceptions of Lane's fleopelvic band, the structure t which is ascribed an important part in the camation of Lane s kink are somewhat varying, it may be well in disconsing the nature and estim of this hand to recall the Reid has described under the name gentle on measurate fold a rather common fortal fold of peritoneum which passes from the terminal portion of the form into the pelvis. Concerning this gentle-meanteric fold, which may be found in a surprisingly large percentage of features after the servoith month, therefore the terminal periton of the periton of the periton of the to which reit is not related to amplitations or gravitations or other deformities of the terminal fleum to which it is attached.

The parietocolic fold of Jonnesco and Javara in most cases arises from the pertoneum 1 the left or inner side of the ascending colon, passing over the anterior aspect of the ascending colon, passing over ward slanting direction. It is attached to the parietal pertinemen at the right of the ascending colon. It may adhere t the anterior and lateral aspects of the colon. Reid sacribes to this fortal fold practically the same relations as are presented by the parietocolic fold or Jackson — embryane when

found in the adult.

The fold which was described by Reid has a secondary connection with the ilcum and through the peritoneum of the meso-appendix, with the appendix fiself a connection which perhaps is responsible for the frequent association of appendicitle and obphoritis. In case seen by the author by lifting the last part of the fleum apward, a thin fold of peritoneum which was quite loose could readily be seen passing from the mesentery of the last part of the fleum over the brim of the privis to the region of the overy. There was no sharp border of this fold upon the right side. It spread out o the right i to a rather narrow fold of Treves. Reid describes this genito-mesenteric fold as passing ander the ppendix, whereas the fold of Treves passes over the caput coll and appendix. However in author' cases, the inner or left border of the bloodless fold of Traves ended below in the genital dend in the forten, t the overy in the female after birth, and at the intra-abdominal ring in the male at The genito-mesenteric fold as it was seen by Reid has not been seen by the author as a separate distinct fold, but rather as the inner prominent edge of the bloodless fold of Treves, passing from the terminal ileum t the gendral gland. It is this genito-mesenteric fold of Reid, or the prominent Inner border of the fold of Treves, as the case m y be, which corresponds in its position a d ttachments t the Beo-pelvic band of Lane. The relationably between the fortal fold and Lane' band is. perhaps, only suppositional, but it seems not unlikely that they are identical.

Concernd g the origin of Jonanese f ld, it may be said that heveral succeeding stages of its formation indicate that adhesions form between the cartom and parietal periloseum, while the cartom is still subhepatic. This subsequent desent with torsion or rolling invarid on the long axis draws the mural periloseum over the assending colon in

similar direction.

Rheindorf Appendicitis Ex Oxyure (Dis Wattafortuntzentzthadung ex oxyure). Hed. Riles, 9 g. iz, 53. By Zentralbi. f. d. gos. Chir. u. L. Grenzgeb.

Oxyuris may be demonstrated in high percentage of diseased appendices in childhood (in extirpated appendices in almost 50 per cent, in post-mortems 37 per cent) It occurs occasionally in adults. In these investigations the fact is to be emphasized that actual alterations due to the activity of the worms have been found in the extirpated appendices. These changes consist of superficial defects in the recesses f the mucoss. By serial section it can be demonstrated that these defects show transitions to allt-like reven total destructions of the lymphatic apparatus. In the defects and passages the oxyuris is found. Both are produced by the activity of the oxyuria. By careful examination of similar charges the percentage of so-called normal pomáces removed will be considerably reduced. In these appendices, secondary inflammatory changes. In super ficial or deeper character may be found. Contrary t Aschoff's views these findings render probable a primary ulcerative stage of ppendicuts due to oxyara. One can also speak fan appendichts cataribalis superficialis in the pathologic-anatomic sense. Oxyu ra carriers may therefore from time t time suffer from attacks of appendicatis. Cases without fever in which an ppendectomy is made will show simple defects without inflammatory processes plus diffuse superficial inflammation. Even when the m com is undermined to harge extent, all signs of the disease may be beent. Perhaps herein lies the explanation to the rapid onest of perstontile in children, who attend school perfectly well is the morning, play on the streets at noon and in the evening develop perforative peritomais. Possibly also it may explain the suppurative or zero-magninous perironitis f small girls, thought to be due to duesse of the adnexs. Whenever afterations are found without inflammation we must assume that the times have become accustomed t the presence of the parasite. Because appendicitis in children occurs frequently after infectious diseases, it might be thought that the weakening of the youthful organism by the infective process allows the parasite t continue its epithelium-destroying action, which then predirposes to accordary infection with microorganisms. Treatment directed against the orm may in such cases, be a double-edged sword. Still. exyurizate should be fought by rational therapy ha LOR VERTE.

Jackson Retrocecul Appendicitie, J Am H By Surg Clymac & Obst. £22., 2013, İz, 165.

practice.

Jackson agrees with Deaver (calling retrocacal appendicitie bad type of appendicitie, on account of its serious complications and sequels. H divides retrocated appendices int four rather separate anatomic sub-varieties, as follows

The appendix, posteroing its usual measurery is distinctive only in the fact that it runs opward along the outer side of the colon, which overhangs and confines it in the limited peritoneal space caternal to the colon.

a In another type the appendix runs apward external to the colon under cover of the peritoneum of the posterior parietes, which forms its investment usually incomplete on its posterior circumference, and even though complete not furnishing a mercatery proper.

3. Again we have found the appendix running up along the external wall of the colon itself and invested by its proper tunic and Ilkewise without mesentery 4. In the fourth type the appendix runs appeard directly behind the colon, beneath which it is buried in connective these entirely and has no

direct peritoneal investment whatsoever

The occurrence of an extracolic peritonitis follow ing a retroceral appendicitis may by appeard or tension along the outer sid of the colon, reach the under surface of the liver and reaching here it may follow around, now forward hove the hepatic Sexure of the colon beneath the liver and result in a sub-hepatic aborem, or may further invade, more or less extensively the upper peritoneal cavity beseath the liver More commonly following gravity is reaches the lower form behind the liver passes upward between the liver and diankrams, and results

an substituted peritooltis, often terminating in an obscure subohrenic becess. Infection may also spread to the cellular and other retroperitories) timens and give rise to localized or diffuse cellulitis. In this case the colonic blood wreads may be involved in an infective phiebitis with dissemmination t different parts of the body

more particularly t the liver ymptomatology show some distinctive Tax features in retrocarcal appendicute according t the anthor The faitial epigestri pain ad comiting common to the ordinary variety is present as traic without any noticeable variation. The local pain and tenderness, in this particular variety is best elicited just above the crest of the limm posteriorly Abdominal or rectus rigidity so significant in the intraperit neal appendix here is usually of tran-sitory presence. Abdominal distension due 1 involvement of small intentions in peritoritis in or dinary cases is here usually very moderat or entirely lacking. The tumor if found at all, will be outward and backward, and often present only in the loin. With the subsidence of local signs the temperature often remains at from ont 3F and

Jackson advocates early operation before the more serious complications manifest themselves. A posterior incision in the join has been advocated, but he does not deem it advisable when the appendix is t be removed at the same operation, thing be nearly always does. Posterior loin drainage through the lowest point of the lumber force has lowered his mortality great deal. In conclusion the author states that the one surgical feature for strict observation in retrocecul ppendicular abscess is posterior R. W. MCREAUX. hembar drainage.

the pulse is increased in corresponding septic ratio.

Fleechi Prolapse of the Roctum (Prolasso del retto) Clia chie., 0 3 xxl, 375. By Zentralbi. L d. gra. Chir u. l. Grenagch.

Among the various explanations for the disease, the orthor thinks the cause for the soudilities to be dependent upon a resistant pelvic froor and a lack of proper function of the lifting apparatus of the rectam. He regards with Rotter as the principal factor of the prolapse an improper condition of the closing apparatus of the rectum. He discusses the physiological set of defectation which consists in the pressure of the scote on the factor from above, over which the sphotner in stringer with the said of the levitor. In insufficiency of the factor is the property of the condition, permanent prolapse. The method of operation which the atthem to prescribe its based on the factor of the condition, permanent prolapse. The method of operation which the author has derived is based on this theory.

It consists in an incision of the ski in the shape of an equilateral triangl 7 cm, on each side on both sides of the rectum to produce thorough scar formation. The Heaments between the levator and sphincter are severed, whereby the anal ring descends while the levator rises 6 cm. Next muscle cm. long and 3 cm. thick, of the glateus manners on both sides is separated from the sacral bones, which is turned in such a manner that it runs around the anal opening and is fixed with three catest setures anteriorly t the ligamentum ercustum. Over this the triangular skin defects are riosed. In this manner the author obtains functional separation of the sphincter and levator and a fortification f the perincal floor

Skinner: Fluoroscopy of the Gestro-Intestinal Canal. Lenci-Ci 915, cit, 54-By Sung., Gyme & Obst.

To facilitat the examination the author uses a triple blown, the second 6 born, and the third immediately presenting his examination. In this way almost the entire truct is filled up with blomath and he can execute the topography the permitties and mobility and any defects in the entire gastro-intestinal truct as well as the result of operations and mechanical devices which may be employed. For colon examination be prefer the blameth injection.

Among other things this method sasists in the diagnosis of enteroposas, Lane's kink with amount of diagnosis of enteroposas, Lane's kink with amount of diagnosis membrane and a caccum mobile and may disclose physical basis for consupration which persists in spite of the usual treatment. If A. Porze

LIVER, PANCREAS, AND SPLEEN

Boyd Non-Parasitic Cysts of the Liver Lond Lond 913, dundy 931. By Serg., Gynec. & Obst.

These cysts may be divided int two classes, i. e. general cystle disease and solitary cysts. General cystle disease is almost constantly associated with cystle disease of the kidneys, and rarely sho of the

paners, hugs, sphera and poin. Out of eighty five case, collected from the literature Mocheowitz found that the liver was affected alone in only tenin the digitarie forms of the disease the cysts are greenly found just beneath the liver capsale, but when the condition is well marked the whole organ is affected and may be enormously enlarged. Microscoolidity the crist are found to be lined by

layer of cylitherium, which are one may be transferred by the common in the standard with the common in the standard with the common in the common of the course crobical and family fattered. The contents of the cytes crossist unually in a clear watery fluid but it is sometimes yellowish-brown in color. In an early case, besides the macroscopic cysts one generally finds on microscopic examination agreement musher of blick-dott shan are normally present in the liver. The other collected a series of cighty-cight cases, of which two error fortials, seren in newly born children four occurred in the first year and one in the cleventh year. The other seventy-four cases occurred in adults mostly in people over clearly after the datus mostly in people over clearly after the datus mostly in the contract of the co

multiple and all were associated with other defects.

The following is a brief summary of other theories which have been brought forward to explain this discase.

That the cysts are formed by degeneration of liver cells.

That the cysts are d e to dilutation of normal bile-ducts which have been occluded by inflamms tory connective there.

That the condition is due to an everywheth of

 That the condition is due to an overgrowth of ble-ducts or billary angloms.
 That the cysts are tumors, cysto-adenomats

f the bile-ducts.

5. That the cysts are formed by tumor formation from embryools remains.

The condition f general cystic disease is, of course, not amenable terratment and is more of pathological than fedical interest. In some cases, however the largest of the cysta have been dealt with surgically under the impression that a solltary cyst was present. Solitary cysts of the liver on the other hand, are of considerable clinical interest, as they fren prod re well-marked symptoms and are usually amenable to surgical treatment. Although the term solitary cyst is a co venient ose, it will be found that in many cases of ppar ently solitary cyst the liver these adjacent to the cyst wall contains potential cysts in the shape of acial lined by epithelium and in some cases actually small cysts in addition. Solitary cysts may occur in children, but most of the reported cases have occurred in adults. The utbor abstracts many cases selected from the literature on the subject and gives in detail a report of his own case which was undo beedly one of those rure cases of hepatic (presumably solitary) cysts of non-parasitic

origin.

The most striking point in the clinical features of solitary non-parasitic cysts of the liver is the great perponderance of the condition in the female sex.

Of the thirty four case collected in the paper wenty-from were females, from are stated to any occurred in mains, while the ser is not stated in all it, e, out of twenty-citic case in which the set is stated easily 86 per cent serce in females. Age of the patient is at cell in wenty-sit. The prompert was Shaw and Elting case, which was 8 mouths old. Millier's case was operated on at the age of three, but the abdomen had been noticed to be calaried at blirth. The objects was 75.

As regards the clinical ligin and symptoms, puls does not appear to be a very marked feature. Dyspeyals and vomiting occurred in several cases Jaussice occurred in ally one case. An abdominal swelling, in most cases diagnosed as Cytl. a present in all of them. Fluctuation was processly readily obtained. Enlarged superficial abdominal

vans were not noted in y case except his an.
Prognosis If curable, the prognosis of nonparasitic cysis of the liver is not. Invocable That
of general cysis disease is, of course very had
especially if associated the cysis kidness.

Simpl punct re should not be performed. Of the axes collected i this paper and in his our gical treatment dopted recovery occurred in i enty three. Document fluxion

Delbet Antiorns of the Anterior Surface of the Litery Removal After Hepatic Resections C to Ameuse de bord antioner d' loie exite pai ve apré réve long bépatique guérons) Palor 9 0 By Journal de Chrome

A man, to years old, had in her cylgasin in in more man lead it, not the abdominal carry which as bont the size I orn pe had nodular a facer as morable transversely ind had deviced open pell. There as no history to account for it. A per bable drapnost of mixingnant to mor of the stornach as made.

A midding nerson as made in the belone and enlarged by cut 1 the right. Helber found tumor trached (the liver by pedie the rent of which as 1 th post of tuchment of the fadform ligement 1 the anterior lobe of the liver be onlined as when the fadform ligement and the first three entitlements of the supernersy jusquent were directed free and the pedied of 1 mo 6 cm. In dimeter the anterior of the supernersy jusquent were directed free and the pedied of 1 mo 6 cm. In dimeter the continents states of beary of sign. The shoones was closed (these drainage Normal recovery)

The tumor weighed so grams, was a cm. In breadth, it cm in keepin od 6 i thickness. It was bluish violet in color ath some grayish whit trabecule on its surface.

On the surfaces made by sectioning the tumor were found cavilies filled with black material—paparently onegulated blood. Microscopically the tensor was composed of number of cavilies containing normal blood, lined with a continuous endotherm, and embedded he dense flowes stromes.

It was a simple angions simulating a cavernous harmangions. J. L. Rosz Reseas.

Dain Gulf-ston Discuss; Medical Treatment.

Procisions: Lond 9 3, 20, 532.

By Sarg., Gyore, & Obst.

It is the uthor's belief that the primary and carntall factor in the treatment of the affection is the rectification of the digestive function. The administration of durn is removen, as the contents of a normal bladder will denote any galations under surplet conditions. After correcting content of the primary of the primary of property or other districtions is indicated.

The det should be kept [thin the patient power of dispetion, retricting fats and carbohydrates and probliding aktoold. Regular needs, regular beauts, and regular excepts beauts, and regular excepts are realise measures expectally adaptable to the disease, it are trill and indepention be administers passerate preparations comboned with sodiens suphocarbohist solt in boord and the control of the problems and our control half an boor sought. If there is hyperthologistic, offer of the five of the problems of

The thor believes that grifactors can be cured throat operation if trated if the early stage Among the prediprosing fa torn he needs seefentary habita stages that on he needs seefentary habita stages that on the published overcotting, irregular moch, about 15th lates, Cleanard's decase, cardie discuss, emphysems, granular kidney and pregnancy and the states that if is greenfily believed that the rating cause is microbel infection, particularly those bacteries that it is greenfily believed that the rating cause is microbel infection, particularly those bacteries that it is greenfily believed that the rating cause is microbel infection, particularly those bacteries that it is greenfily believed that the rating cause is microbel infection particularly those bacteries that it is greenfilled to the production of the

of malf-stone symptoms. It's method of palpating the gall bladder is as follows the right hand is placed insecurately be neath the ribs on the right ade and the patient told t breathe quietly for minute or t o. The hand sinks deeper ith each expiration, so that the presence of tumor or very trader gall-bladder can, as rule easily he detected. In the majority of mild cases, tenderness of the gall-bladder cannot be de tected in this a y The patient is then saked t at m and to bend slightly forward. The xamilor sits or stands behind the potient and places his right hand under the costal arch with the abdomisal muscles completely relaxed be can then palpate the liver quite easily I neurotic patients, where the statements cannot be depended on the gall-bladder is pproached from the left side and then from the right. The tenderness of the early stage is cireumscribed and does not extend below the riba-When it is detected in line from the umbilices to

the costal margin, the peritoneal investment of the pull-bladder has become involved and the affection has passed beyond the initial mage. With the potient sutting, yearn of the dispharage can also be dicited by saking the patient to take deep breath, when if the gall-bladder is sentitive inspiration will be cut abort moddenly. This is a sign rarely absent in advanced cases of choleithists.

EDWARD L. CORRELL

Kehr: A Review of Two Thousand Operations on the Bil Passeges; a Comparison of the Results in the Flats and Second Thousand (Recibick and non Operations of California, page 1987). The Comparison of the Longges, Dis Geyen Distribution of the Long-toad section I acad). Destribution Air Keng 9, By Zentribl. I. 4, pp. Chir. a. 1 Grounged.

In operations on the bile passagra, the total mortality is 7, per cent. If however the severe complications are excluded (carcasoma, billiary crimbats, spetch cholangus) in the mortality rate is only 34 per cent. If only sample atona cases are considered, the mortality rate fill lowers only 3 per cent. The total mortality rate fill lowers only 3 per cent. The total mortality rate of the econd thousand or per cent and that of his Berlin practice (156 cases) 5 per cent. The reason for the gradual yearly increase in the mortality rat is due to the fact that more severe cases were individed. I this first thousand, the severe cases undered a 5 per cent thousand the severe cases undered a 5 per cent fact that cases, is per cent. In the second thousand cases, the mortality rate in pure stone cases was a cases, the mortality rate in pure stone cases was a

little lower than that if the first thousand.
Since the use of the T-drun in his second thousand
cases, the mortality rat has gone down 3 per cent.
Among the first thousand there were sor cases with a
mortality of 5 per ent and in the second thousand,
333 cases with mortality of 3.1 per cent I the
sits fifty cholechochotmies, the mortality rate was

per cent. The total mortality rat corresponds to the percentage of the server congilications plus the two to three per cent mortality I the simple stone cases. No more case of operative periodic develop even if he operates without gloves and mask. There were no would shaceness of any server nature, if the pannealus adiposas is not smirred. T. things, however are still necessarily made annuals that on the prevention of homorrhay made annuals that the prevention of homorrhay in kiteric patients. The safets proceder or against

in letters patients. The safest proced re against harmorrhage is the early operation of seteric patients. KATERRETEIN.

Same Annatomenta Between the Cystic Duct and Deedeman (Ober Coledo-Dundenostone) Arch f Me. Chr. 9 1, c, 050 By Zastalb L. et al., Chr. u. Corengeb.

Up to the present time anastomoses between the bils docts and the intestines have been made only upon absolute indication. Regarding the question as to whether relative indications for an anastomous exist there are necessary the conditions that drainings for the bile may be made as natural as possible and that the procedure may not be more complicated than the already extensive primary operations and not made more difficult and dangerous. These demands are filled only by anast mosts of the cystic duct with the duodengm. By it the bile enters the intestine almost in its normal place and so can fulfill its physiologic function in digestion. Its flow is continuous starts and resultant seconding infection of the gall-bladder are impossible. Existing injections are put under a favorable condition for healing by the regular discharge of the bile. On the other hand, using the gall-bladder fo anastomosis produces unmatural conditions which, as is seen from the literature, lead in som cases to an infection of the gall-bladder and ascending choleangitis. For the treatment I conditions I infection of the cystic duct and the bile system as it exists in stone in the cystic duct, also in choleangitis without concrements, the method of incision of the gall-duct and cystic duct with subsequent drainage was used universally The following were given as the reasons for this method of treatment first, elimina tion I the injected secretion second, removal of the stame of bile third possibility f local treatment f the gall passages by irrigation fourth, the billty t remove possible remaining stones. Critically examining these points in f vor f drainage of the cystic duct, especially when compared with the suggested method of anast mosts of the cystic duct with the duodenum the ! llowing conclusions can be drawn Point ne is untenable because the rganisms which inject the bile are normally present in the intestine and are, therefore harmless, when the bile is allowed to reach the intestine through the anastomosis. Point two the emoval of stasis, the mam point is trained more completely by the method suggested than by drainage. Point three is of minor importance because healing is dependent much more upon free drainage of the infection. An irrecation hich reaches the gall passages higher up would have t be done der such high pressure that an injection might be driven upward. Irriga tion can bardly have an effect on the papilla through a narrowed cystic duct. Point four is of no importance stone which may have been left behind can easily gain entrance to the intestine through the anastomosis, but if it alips past the anastomosis toward the papilla it becomes entirely harmless, because it can produce no stam of bile. Drainage can offer no advantages but often has disadvantages, as for instance the great loss f bile, which is very important for digestion t the same time there is loss of water to the body the danger of decubitus, with following to traction of the passages, kinking, etc., is present. The long-continued treatment of the wound and all this is done away with by the anastomosis. Not in every case of choledochotomy should an ausstomosis be done. An anastomosis is indicated only hen the flow of bile is bindered. Natur ally the stones are al ays removed. If the flow of

blie through the papilla is entirely unhindered and

If there is no serven indection of the bile passage present primary nature of the cysic dase's per formed. T determines the permishility of the appilla sound ig in not mificient but physiological and solution must be injected toward the latent in the cysic doct its rubber drain ad sterile syringe. If the solution fio a off freely the primary sature is inserted. If the solution accommission or runs backward partially there is a lindernace it the new control of the open control as of the open control of the open control as of the open control of the open control as of the open control as of colors.

The nastomous is made most easily at the point where the cystic duct runs behind the duodenum. The pper borde of the dwode um is separated somewhat ad pulled dow ward, ad a lacision is made i the cystle duct longitudinally at this point i 1/2 cm, long. The stones are removed and the bile passages are refully examined. Opposit the longitudinal nerson I the critic duct there I made transverse in mon of the doodenum. The t coperates re-a sted by categor. ture ru nang through the entire thukness of the lls over this is put silk set re uniting the scross aid go g through the muscularis. The duration I the opera tion is from ten t biteen minutes. By stroking the doodenum down and it is so compressed that it is practically empty of contents faully tampous are niroduced

The other removed the gall bladder in all case of the file (by eyast dut one fit sordie out of and eased it over. The nationals cannot be used in cases in which there is tensive severe partient bolomptis, because of the greated conduction of the gatest and because the high grate finitions of the patient and because the high grate finitions out yet beal. It has case drainers in more serverable Observity. It as rapid belight thorus

with heer highly placed may mak an anastomous difficult procedur. The uthor has performed eleve nastomores, the first t years go The results relasting nd good is all cases. The scienus disappeared rapidly nd never ret med and fever also we reduced tonce. The ture beld I mine secretion of bile for a cases | t cases there time without however y after effects, other than protracted healing of the ound. The uthor gives the following conclusions The anastomosis of the cratic duct t the duoden in in cases here there is an baol t indication, and hen t can be carried out, is the method of choice I relative indica tion, especially in recurring cholangitis with or hibout stones, and in inflammatory stenosis f the papilla, it is far preferable t the drainage of the cystic or hepatic duct, and deserves polication in the fullest measures bec use it is better the other method in producing a free drainage of bile and guarding against recurrences. Observations have shown that so-called recurrences following radical and properly performed operations do not often depend upon stones hich were left behind

or newly formed, but upon stasts and infections following stenosis of the papella. Unter-Ecura.

Remsens Acut Perforative Cholecystitis Complicated by General Peritonitis. Surg. Grac. & Obt., 9 3, xvi, 386. By Surg. Grac. & Obst.

The rarity of acut perforative cholecysthis speciated with general peritonitis is pointed out and its dangers Elestrated by two of the a thor a cases. The symptoms are those of an acut belowing calamity associated with in area of increased tender ness appearing i the right illac fours. Bich is ease ease led to a tentative diagnosis of acut pocudicitis. I both the operation revealed bile-tiaged fluid, free in the perit neal cavity and a demonstrable perforation in the gall-bladder. Infection, swell g of the cystic duct mucous, distention of the gall-bladder necrosis of the all due to injection. circulatory disturbances or even direct pressure of calculi ar regarded as the cause of the accident. I rach the mucous membrane of the gall bladder was swollen, harmorrhagic and gangrene was present I one of the cases. Careful tention to detail and the consideration of the various possibel ities in the obysiological group of organs in the gall bladder region are insisted upon as determining operation in the early stages. Later ben spread I g perlionhis occurs may of these possibilities may he I minated and one is brought much closer t. the real diagnosis. When, I the lat stages, the reperal bdominal signs and symptoms blanket the local leat rea, the importance I careful far-reaching

history is abown.

Operative features are discussed and important
to not in the very small class of caves showing acut
abdomnal sign is which bale in found free in the
perfloseral cavity yet apparently intact ble
turn't is presented. I both the whost cases the
perforation was used an operaling for the drainspre

The responsibility involved I watching an acuta gall bladder subisde is potated out and warning given of this rather rare but acrious outcome.

Gosset and Desmarest Cholecystectomy from Res t Frost (De la cholecystectomic d'arrière es avant). Prezz mil Par 9 j. 101, 105. By Journal de Chirurja.

Gonet politibled, some time are method of per forming candesqueetoney by begunding at the cyclic disact and whilay t the f odes of the gall-bladder hack he considered the best, for ablation of the gall-bladder. I this article, based on a series of hirty-t operations he dell expectilly on the indications and contra-indications of this procedure. The question as he persent in it has indicent. I the course of an operation should be a followed to the procedure of t

When there are many drase vascular adhesions,

when the gall bladder is retracted and chronic peritonitis under the liver is very marked, it is often very difficult to remove such a bladder and, if one succeeds, it is by atypical manceuvres. In these complicated cases experience alone will accomplish the bject with more or less case. But in a case presenting no more than ordinary difficulty th arthesions being separable nd the surgeon having access to the inferior surface of the gall-bladder and the cystic duct he may employ one of three methods of cholecystectomy. First, that of opening and cutting its inferior wall and slitting the cystic duct from one end t the other. This procedure should be adopted only exceptionally. It is of advantage in markedly trophied gall-bladder in order to reach the end of the cystic duct and to permit the removal of an incarcerated stone, but it is really a makeshift. One ought t try to remove the gall bladder and cystic duct completely. The cases where one is compelled t give this up will be more and more rare as one recognizes better the advantages that primary sectio of the cysti duct offers. The second method, or the classical cholecystectomy consists in separating the gall-bladder from its base towards the cystic duct. It is good procedure and a patural one since the base of the bladder presents first. B t in cholecystectomy by liberat ing the base first, it is sometimes necessary t find plane f cleavage between the surface of the gall-bladder and the liver dissecting with knile or sciences, and feating that the gall-bladder may be opened, the surgeon has tendency to penetrata the liver timus, which leaves the surface of the hver received and costing more than after retrograde cholecystectomy. Besides, in separating the blad der from its fundes towards the cystic duct, one meets the ramifections of the arteries. The main stem of the artery will then be cut several times. Finally when the separation has been accomplished, if one pulls strongly on the gall-bladder and cystic duct the hepatic duct is drawn up and bent † an angle so that there is danger of cutting it. Both Kehr and Gomet have had this experience.

The third method consists in beginning at the garled dots, severing it and primarily separating the gall-bladder from the next towards the fundamental control of the contr

In the thirty-two cases in which the retrograde chole-systectory has been practised the authors have not encountered single mishap. All have been curid. The operation has been more rapid, more certain, and bemortasis of the pedicia of the

pill-bladder has been accomplished in a thoroughly astificatory manner. I those suffering from Jaundice the hemostasis should be especially careful. Moreover the authors have been able to diminish progressively both the size of the drain and duration of dirilarge and they hope in many cases to be also to do away with drainage altogether. J Drucowr

Delfino A Peripancreatic Cyst Between the Leaves of th Transverse Mesocolou (Ober elos perpankreatische zwischen den Blattern des Misocolou transversem entstandens Cysto) Desticke Zisch / Chu o 1, ccsi, sôo.

By Zentrikk I. d. ges Chir u. i. Grenspib.

The cyst was observed in a ms 48 years old and had attained the size of an adult head. The diagnords could be made before the operation from the relationship f the tumor to neighboring organs and from the results of exact examination of the stool and urine, which permitted the assumption of normal function of the pancreas. Histologic examinatio of the cyst wall showed there was no epithelial lining. Chemical analysis showed the absence of ferment in the crut content. The author therefore takes for granted that the cyst did not originate in the pancreas and probably was the result of a trauma which the patient had metained at the age of 7 (marble block falling on his abdomen) The cyst was fastened by suture to the abdominal wall and drained. Curt resulted. It is remarkable that the patient auffered from severe litching of the akin. This, however disappeared after the operation.

Monneyez.

Weldman Aberrant Pancreas in the Spienic Capsula. Assistancel Esc., 9 3 vil., 33. By Surg., Gynec. & Obst.

This interesting anomaly was first encountered during the microscopic examination of material from an autopy. The specimen was from oman years old who had died of general peritonits following supportative endometrits. The vicerus showed changes due to severe tomenia, but no neoplasm was found.

The pancreatic elements by in a thick rapule the deepest layer of which consisted if dense connective these folialise. These furtiles we more loosely arranged as the surface was perschied and co-tained few nuclei I young type. A serous could be traced in places, but was maked by the general formous exadate. All through the capsule were the fed I pancreatic cells. Duct arrangement was present any property of the procession of the control of the pancrease. I explain the phenomenous, addicates of pancrease.

T explain the phenomenon, adiacison of pancreas and spicen was sospected. However the microscopic picture did not support this. The only way a account for the flading was by assuming diversion of embryonal pancreatic cells from their accountement once. In this connection, guinass, picture was examined in which structures were found strongly suggestive flagancies.

The variation is not uncommon. Warthi in

1904 collected forty-nine cases. One of the early investigators stated that, in certain animals, the pancreas occurs normally in separat portions. Thus, in the mole, lobules are found distinctly removed from the main organ. In pelobates parts of pancreas are found in the walls of the stomach, and in the malamander in the walks of the jejunum

To Warthin a cases Weldman was able to add o from the literature. Summarizing all these the

locations were as follows in 68 cases Wall of stomach 17 Wall f dnodenum TA Wall of jejunum * Wall of ilcum 3 Wall fintestin Diverticulum f stomach 1 Diverticulum f jejunum Diverticulum of theore Meckel a diverticulum

Umbilical fistula Mesenteric fat Great omentum Hilum f solcen

Capsule 1 spleen The sizes varied from .4-9 cm., veraging about the sare fan almond.

The puncress starts to develop in the second month I fortal life by projecting its hypoblastic buds int the ventral and dorsel mesenteries. Zenker assumes separat anlage for the pancreas and for each accessory one if present. Warthin thinks that projecting buds of the sprouting pancress are mared off by surrounding mesoderm and carried to aberrant positions t which Adami adds that the cells must be so far differentiated that they are capable of producing only one type of tissue Weldman thought Warthin theory the most resentable.

Morone Transcencreatic Choledocholithotomy: Clinical and Anatomical Study (La choliodocohtbotomie trampascréstique étude chaique anaturaique) Riferma med 9 3 xxxx, 74.
By fournal de Chicurrie.

In operating on the common bile duct the trans pancreatic route is least used. Terrier has employed it twice and MacOrand, Kreske, and Tanaini have each used it. It is scarcely mentioned in most monographs on these subjects.

Delagenlere, in his report in 905, considers it as not having much of a future. The author reports the operations of this kind which were performed by Tantini

H considers the transpanceratic choledocholithotomy of interest it is indicated when the local conditions prevent the use of the transduodenal or retroduodenal routes. Finally it facilitates drainage of the common duct. ANTONIE

MISCELLARIEOUS

Hunter Collectorny in Infancy and Early Childbood 4m. J Stor 9 3, Eryti, 04 By Surg Cymec, & Obst.

The author states that the surgeon who operates on children should not overlook the f llowing

1 Walle the child may take the anesthetic well for a short period, if the administration be unduly prolonged serious collapse is more common than in adults bence there should never be permitted the alightest delay in completing any operative steps which may be undertaken, i. e., the operation should be terminated in the shortest time possible consistent with perfect technique and the observance of ade-

quate aseptic prem tionary measures.

The child ordinarily withstands the loss of blood badly bence every possible precaution should be exercised a prevent and control hemorrhage and means should be readily accessible with which to replace such loss, if it becomes advisable or sec energy by transfersion or introduction of normal saline solution. . The child endures cold badly hence the ex-

tremities should always be amply protected, and if necessary be kept warm by artificial means care should always be observed that the body be not unnecessarily exposed, and the operation should be performed with the child on warm-water bed, or at least in a properly heated room.
4. The child bears hunger badly hence nourish-

ment should not be inadequate before the operation, nor should this feature be neglected thereafter Le., requisite feeding must be resumed so soon as per missible after completion of the operation.

He then goes on to quote several writers and reports the results of several men on single cases of abdominal operations in childhood. The latter half of the rticle is taken up with strong plea for early operations in cases of intraspecuption.

SURGERY OF THE EXTREMITIES

DISEASES OF THE BONES, JOINTS, ETC. Pirie Re-formation f Bone after Resection.

Edina M J 9 3 x, 340. By Sung Oymor. & Obst. The author states that tubercular osteomyelities of long bones is rure as out of 8,500 patients exam-

med by the X-rays in five years in the Dundee Royal Infirmaty only so were found to be suffering from that discuse.

H reports two cases in which 4 faches and 41/2

inches respectively were resected from the lower end of the tibia for tuberculous esteomyelitis and shows

by successive radiographs the gradual development of new bone. I one case the bone was restored in weeks, and in the second 2 years were required. In the latter case after nearly a years ithout solid bone formation, the patient fell and fractured the new bone when reparative process again started up very actively and the new bone was soon solid enough to bear ber weight.

I cases where the upper end of the fibula was reserted there was no attempt t re-formation of new bone. II discusses the results of Maceuca experiment in bone regeneration in dogs.

Pirie thinks the best results ca be obt lined follow ing resection () by preserving the persosteum as hmiting membrane so the new bone may acquire normal shape () by keeping the ilmb at rest to prevent twisting or bending (3) by intentional fracture where the regenerat ve process is slow as this seems to act as a new stimulus to bone growths. loses L. Postes.

Dibbeit The Etiology of Ricket d Calcium
Metabolism (Die Atologie der Rachtlis und der
Kaltstoffworhsti) Deutsche med, il cheinier o s. Error S By Zentra Ed. (d. gra. Chir a. l. torrasque

I contradistinction to Ribbert and Kassowitz. who deny any importance t duturbances of calcium metabolism 1 the camation of rachitra, Dibbett emphasizes the fact that in florid cases of ricket the amount I calcium excreted by the intentinal hile at the same tract is greater than the intaktime the amount I calcium in the unite may reach sero. Furthermore the healing or cure of case of rickets is accompanied by hyper retention of calcium in the organism (th coincident increase of calcrom excreted to the write-

These facts can not be understood unless one presupposes a disturbance in calcium metabolism. In the presence of an easily disturbed balance in calcium metabolism, any f the many harmful factors t the general economy f the infant may occurion rickets SCHULTER.

Flake: The Diegeoric Significance of the Leuco-cyt Con tin Ortoenyelitis and T because in Childheod. Bases M & S J gay, chavali, 606. By Surg., Gymec. & Obst.

The object of the paper is to draw conclusions from the verage white blood corposcle counts in acute outcomyelitis and t berculous of bones. The author defines iencocytosis as an increase of white blood corposcies over 0,000 is adults and children. After citing number of cases of acute and chronic osteomyelitis, the following conclusions are given

I. The routine examinatio in all cases of osteomyclitis is 6,000 t 7,000. 2. The count varies directly with the acuteness of the process and with the patient condition, kigher in those whose condition is poor

3. The degree of fever is a constant variant with the degree of feucocytosis. 4 High count is significant of pus or sequestra,

or poor drainage. Low con t is indicative of a low grade process, a long standing process, or an acute process with

free drainage

Leucocyte counts were then made in a number of cases of hone and joint t berculous and contrasted with those made in acute injective extennyelitis. The leucocyte counts in t berculous bona discuse are largely negative, the evidence being against lencorytosis of y degree The white count does not vary consistently ith the acuteness or recency of the process, the temperat re, or general condition of the patient abscess or sinus formation or presence of von Pirquet reaction. Leococytoms in tuber culous bone disease occurs in the presence of second ary pus infection.

Lejars Chronic Hypertrophic Osteltis without Abacess Formation or Necrosis (Contribution létade des ostélies chroniques hypertrophiques mas abeta to necrose) Bull el mem See de hie de

Per 9 1 Emit. 454 By Journal de Chirurgia, Lelars reports the case of man 38 years old, nonsyphilitic, with negative past history who in the last few years, noted series f hard tumors --bovectures -- the right tibis, with no erom pa ying pai or tenderness. Ilis galt became more and more restricted as his binb increased in size and weight locomotio had been impossible for t elve months and patient was confined to bed for the last

three months. Leists found the upper t o-thirds of the les twice the normal circumference. This area was covered with many hard tumors especially on the median surface f the tibia, the largest being the size of an These t more ere rounded, smooth, nonadherent to the skin, and had the commutency of compact home. All the muscles seemed absent save for vestiges of the calf muscles. No tenderness, ulceration or hyperamia of the akin was found. Movements of the knee were restricted and those of the foot were load. After eliminating the possible diagnosa of sarcoma of the tibra - by the duration, alow gro th integrity of the skin, absence of general denopathy and general good health — Lejars diagnosed chronic osteomy clitis of an atypical form. Il performed Gritti intracondylar ampota tion. Recovery was uneventful nd the stump remained in good condition.

Upon examination of section of the bone no sequestrum, necrosis, cavity, nor cystic condition of any kind were found. Hist logical investigation revealed chronic inflammatory process and ostellis tending to tumor formation. It was not possible to determine the respective portion of the two processes. This, then, is a curious form of hypertrophic ostentis belonging t the cases which are on the border line between chronic inflammatory condition and a neoplum. I DUNCT

He uses a dose somewhat less than that required to produce crythems, and avoids using a larger dose on the deeper tissues, because it is impossible to know what is going on below the surface. H refers t the work of Iselin, who, after the prolonged administration of the rays under an aluminum screen, found that injury had been done to the deep vessels. H tried the optimum dose that is, the dose which will destroy the foci of disease and stimulate without injuring the surrounding tissues. In order to avoid disturbances of growth, he does not treat children under five years of age. In older children the nor mal epiphyses are not subjected to the rays, but the diseased ones are. N bad effects have been observed. All forms f joint and bone tuberculosis have been treated with the rays tuberculous fetule, even when secondarily infected, were found especially adapted to the treatment Discolored granula tions disappeared quickly and became clean and firm. H warm against treating a fungue which is on the point of breaking through the reddened akin. He has seen severe stevelike perforation of the necrotic skin in such case, even when very small doses had been given. A limb is subjected t the rays from all sides without any skin protection.

The best ray is obtained from tubes of 5-7 Benreist, with a current f from a.8 t M. A. The uniformity of the rays during sitting is tested with qualimeter or parallel spark-gaps. The desired intensity of the rays is measured with Holzknetht a radiometer It amounts at each point of contact t about 3-5 Holzknecht units. The rur rounding area is protected by plumboresistie. distance of the focus from the skin is so cm. the test body was brought int range of the cone of rays at just half this distance. After exposure so the rave from all sides there is an intermission of twenty-one days and then the sitting is repeated. As transformer Rosenthal a universal induction coll and Simon a interrupter were used. After the Rootgen treatment orthopordic appliances were used for rest and immobilization of the hmbs. Fastule were rayed five days after the injection of Beck bismoth paste. In the clinical part of his report, Schede discauses individual case histories more critically and gives instructive examples with X-ray pictures of the cases. T enty treatments were given in severe cases. I conclusion he reports fifteen cases briefly

Russell Treatment of Lime Starvation. Med Ecc 9 & Inxid, 517 By Surg Gymc. & Obst.

Russell claims that rickets, t berculous, sourcy (infantile and adult) and many disorders company a pregnancy and incutation, may all be traced to lime starvation. His experience, however is confined almost wholly t tuberculous.

His treatment, begun in good is based on the theory that lime is essential for the leasth of plant of animal Hife. An insufficient supply will result in () unperfectly developed organs () lowered resistance t disease (1) lack of power t repair

physiological wast lack of power to repair in any Lime phosphate, per se, cannot be assimilated but must first be combined with a protein. The enzyme rennet combines lime phosphat with custs. forming caseate of lime. In man reaset occurs in the form of symogen and its formation depends upon the presence of free solds, especially Hcl. In the absence of the latter the free ferment is invariably wanting, even though the symptem is present. However rennet symogen is beent only when the secreting glands are destroyed, as in carcinema. Only then does it become secreeary t administer rennet nd pepain. The administration of acid is all that is necessary to produce the active ferment. A diminished secretion of Hcl. is brought about by many conditions of ill health and is probably the usual fault in cases which finally end in tuberculous It is quit probable that there are proteins other than casein that combine with lime through the action of rennet, although it has not been demonstrated

There is a heavyling of line it is accessive to supply lime phosphate case in and distret between the cit. No one alone will answer. The make sources phosphat of lines are milk and eggs. In the treatment be advocated the milk eggs-call ster which accessive of two eggs, quant of milk and four drackings of dill. This quantity is not correctly a contracting of the contractions of the contraction of the contraction of the contraction with right discipline and the usual hygienic ensures.

H states further that acute tuberculous pleurides

are plastic effusions, and abould be regarded as evidence of an tempt at healing rather than an extension of classes. Serves effusion is evidence of lact of lime because the effusion is not plastic. In seven out of eighteen cases of probable pocumous consolidation persisted for morths because of the excessive amount of plastic effusion having been poured that other are well as a version. This reconstitute clearly

up after reducing the amount of milk and ggs and the omission of Hcl. H reports 6 7 per creat of pracent cures I patients treated in all stages against so per cent apparent cures from six welknown ashatoria. Himsey J Vanner Bene

Elyr Diseases of Joints and Been Marrow. As J. Ser. 9, 1, 123.4. By Ser. Gross. & Clot. This article is the beginning of a series and desinith the anatomy physiology and pathology of bones and joints, and with cut arthritis. The tuther bases bits conclusions pron clinical observation, and inhoratory study of bour tro specimens. He maintains that there are three active tienes at be considered namely the synovia, the marrow and the lance layer of the performs and four passive tieners, the bone, the cartilage, the figurent, and mailfest the changes in the other three. The loner layer of the periostrum is similar to the narrow in Mr. fronctions and in its reaction of disease. The quality of the marrow decides the location of certain decases, whether in the shalts or at the ends of the long house. Certain diseases flect by preference the synovia certain others, the marrow; certain others the periosteum certain all three without preference.

The a ther discounts the importance of fibring precipit bon in joint discase and regards the cartilage as an absol t barrier: the progress of discase as long as its critifion is unimpulred, know maintaining that the cartilage is never incaded directly by any morbid process in the joint cavity Any irritation to the joint mechanical or bacterial causes the synowist profilerance.

The subject of acut its unsate (aseptic) architic closes the article and some of the more common injuriest the joints are described. The changes is a joint consequent to homorous plat its cavity in homophisisms) are reparted simply as a form I traumatic artistic caused by a inflant. Good is regarded in most the same tight.

The article is limitrated by muster fexcellent photomicrographs which explain the thor views ad mak plain his meaning

Rich Considerations Regarding the Pathology and Treatment of Som Common Jof Cliecoses. Verlived Med 9 5. 9 By Serg. Gyace & Obst.

Rich emphasizes the fact that where formerly a national ith fever rapid beart and constitutional symptoms accompanying swollen and painful joints. was supposed t have beumatum and as given the sulkylates, we now consider such a septic toxic, or cute beamstic rthmus. Il says that kiess have changed so much that It is almost necessary to re mind the profession that there is discuse thenmatic fever Under septic arthritis be classifies those joint conditions due to infectious agents, with their entry through the tomilia, teeth genito-urinary tract, etc. These cases show the fever and chills found in all the most scute injections. Several joints are generally affected being tender and swollen and sometimes containing pus. Removal of the cause gives relief. H reports case of ty obold arthritis. The pathology is based on a topules of poeumococcic arthritis cases and he could des that the synovia is most often effective. The organisms were found. My such cases to disgnosed as articular rheumatism. Joint destruction is not great. Subcylates do no good. Autogenous vaccines consist to the rational treatment. H bolds that toxic exthritts is due t toxemin from intestinal bactption nd is of short d ration. H reports case in a child cured by high enemias. All cases of acute arth tis are treated by fixation in plaster for period longer than is seeded for fractures. The author thinks arthritis deformans main tritional disorder of bones, principally the ends, ad should be called outeo arthritis. H says there is little trophy and no constit tional symptoms also that faulty metabolum, elimination, or

internal secretion and the menopause are cusualtyagents. Chronic heumatic arthritis is the terminal result of agent rheumatic arthritis (jober, with a great attrophy of muceles and is prediprosed to early life. There is impaired beatth, irrepular progress with relapers and periods of improvement. The author thinks that the beat treatment for arthritis deformant is by high citosic finalings of gibns of water daily I testinal satisfertics help. Deformities about do corrected under the property of the control of the corrected under the control of the control of the corrected under the control of the control of the corrected under the control of the control of the corrected under the control of the control of the correct of the control of the contr

Rosenow The Etiology of Articular and M scular Rheumatlam, J. Am. H. Am., 9 3, kt. 35, By Surg., Gyarc. & Obst.

Reserve in this preliminary not seets forth some very interesting results which obtained to this out at the streytococcus group in its relation to the streytococcus group in its relation to the streytococcus group in its relation to the streytococcus group in the streytococci of some earliery but what particular strain is not settled. In series of eight cases of acut articular beaumatism, all typical and not unusually severe, it is induced organisms corresponding closely to the astrococcus rheumaticus from one record going to the streytococcus rheumaticus from one record going to the control of the streytococcus rheumaticus from one record going to the control of the streytococcus rheumaticus from one record going to the streytococcus rheumaticus from one record going to the streytococcus rheumaticus from cultures of totally in two cases. To of his cases the distinct menutains and tendences involvement.

I a series of esperiments on rabbits, guinea pigs, white rate, and dogs, he found that these call tures were of low virulence, midway between th streptococcus vindana, and the hemolytic streptococci and purumococci, producing lesions very different from the latter i. e. multiple nonseppurative arthritis, endocarditis, pericarditis ad myocarditis. Strains I culture obtained from the tonsil t the bright of the attack gave the same results as those from the joint. If points out that freshly holated cult res did not produce abscesses, but by passing them through animals abscence ere prod ced. By animal passage and other means be converted these sersion in typical harmolytic streptococci on on a hand and pneumococci on the other hand. fie also found that in the tran sition stages one strain from the joint lost in ch ! its affinity for pericardial ad articular lesions, but equired pronounced affinity for myocardhum and akeletal musclea.

He biamed lesions in the skirked mostles in twelver subbits, there does, and one monkey. In describes the lesions as clongated, variable in sizes, and running parallel with the mucks fibers. Here, contains few leucocytes and large number of living cost. Histoneopically they show computation accross of the fibers. The distributions i be lesions were most numerous in the tendinous potions of the extremities and flat muckes of the acts and shouldern, corresponding to rheumation in man. The virulent strains produced hem orthages in the stomach, decodemon selera orthage and lists. In all the animals mild arthritis and endocardids were present, and in most pericardids of a mild type. He also emphasizes the important role that cold plays in therenatism, and states that exposure to cold after injections. I substitute that the present of the collary tempored and the corel from shown two, above that from a role may repeat the the thorner but that they asseemed it the latter

If finds that the rheumatism cocci grow best at low temperature and this may be one of the reasons why chilling aggravates so markedly the symptoms (beamstlam. | 1 O Wallace.

Lindsay Rhoussatold Arthritis in Children.

Ediab II J 9 J. z. 33 By Serg., Gyore & Obst

The author believes that true rheumstoid arthritis of the trophic type occurs in children more frequently than it commonly supposed, and that the dearest differs in son ay from the adult type except the common of the common of the common of the common of the condition described by Sulfi in 1893 and known a hierax re as Sulfi disease it typical trophic thermatoid arth, tay with faindate reduzements.

He believes this disease in due to fections or to ce to we do calls attention to the fact that gland har enlargement is much more prosousced as frequent in hillure nolowing infections or t must than to dults. If says, True octeans to district the control of the

T estiment by medicines, mechanical resources, to manage local applications, and at pass in discussed. Special attent in taid upon complet test of the affected foints, and equalible films openeous duet expectall of units, return, butter and fats. Syrup ferri folds, and gouron carbonat are recommended for medicinal treatment.

Joint L. Poster.

Ely Joi t T berculosis. Interst. If J 9 3, 22, 234

By Sung Oyner & Obst.

By defines joint t berculosis as profiferative inflammation of the bose marrow and of the sysserial cost of the system of the cost of time characterized by the formation I typical tubercles and caused by the tabercle bacillas. He sake Why does inberculosis affect the ends of the long bones and got their skattas? Various assistancing narrowers have been given () Authrity

of circulation about the centers of growth at the ends of bone. This be says is inadequate explanation as it should poly t other structures in the body also. (a) Slowing of the blood stream in the capillaries of the spongy bone. If this were the case it would also predispose to all other injections. (1) Exposure to trauma, This gain does not hold Severe injuries never cause the disease. The portion I the bone where the discuse starts is not expend to trauma. (4) The most widely accepted theory is that the atteries are in the epiphysial area end arteries and a plug - embolus is supposed to lodge in these. Ely says this is a plausible theory but one that does not hold other organs in the body having end arteries are not similarly affected, e.g., the brain. This theory would deny the possible avaovial origin of the disease. Also an anastomosis is present in the cods of the booes of adults and also in the booes of the carpon and tarsus. Here tuberculosis exists. T berealesis exists in the ribs without regard to end arteries. Hy's explanation lies in none of these theories but in the quality of the marrow in the region of joi to which is the red or i, sephoid marrow Wherever lymphold marrow is, here is favorable soil for tubercle barrill. Sypovas is also lymphoid struct to so particularly vulnerable to tuberculosis. Under pathology, he says, the fact must be kept prominently in mind that pure tuberculous remains conned to the t lymphoid elements making up th joint mainly the synovia added marrow. Y bea secondary infections enter in, other structures become involved. T berenkeds may form in the marrow beneath the articular carplage. Entrance t the joint may be trained in the by ye, either by perforating through the carrillage or berrowing along to the edge of the cartilage and so int the joint cavity A healthy cartilage is bechute ber t the progress of the disease. Rarely the inflammation may not reach the foint but bursts through the periorteum and thence to the nuriace. Ely mys the deeper layer of the periostrum may be hiered t an external layer of marrow and so is open t invasion. This deeper layer is continuous ith the aypovia, as the superficial with the ligaments. The ynormal not a distract structure in itself and its limits are hard to define. Purely synovial cases es rare in childbood but fairly frequent in adult life. The bone itself be says, is never invaded but reacts secondarily t the disease of its contained marrow. The cartilage saffers not from the tuber culosis but I strition from disease in the subjected marrow Illy mys he has never been ble t identify the layers of films so often spoken of as being precirculated on the cartiliare in these cases. The figsment are only pumire in the action. Speaking of cold abscesses, he mys tubercles are only demonstrable in their walls when the abscess becomes secondarily balected.

His symptomythology is the usual one. He brings out the point that muscula spans and annucular trophy are more prominent in the bony type tha in the synorial. Under diagnosis the small differ entiations are made. The test of withdrawing finid and injecting into a guinea pig is mentioned. Under prognosts, many things are to be considered and Il carel lly weighed. As regards function it is much better in children than in ad its. Treat ment be mys. brings us back again to the pathology The two things pecessary for the function of a joint are synovia and lymphoid marrow If function be removed these two structures disappear The disease dies out with them as they are the soil for t berculosis. Briefly Ely recommends in ad its radical, and in children conservative, treat ment. Under radical are two operations resection and amputation. The former where practical, the latter when indicated by the severity I the disease. Ha can see no advantage in injections f chemicals. M. A. Heroneson.

Porter: The Treatment of Tuberculous Joints. Surg Gyme & Okst., 9 5, 371, 334. By Surg Gymen & Obst.

The paper is a review of the whole midject and a clear statement of the methods of treatment such advanced thought is pruning the best. The open ing paragraphs sum up the nature of the berrelows joint and the requirements necessary in their treatment. Purtle impresses the three facts that tuber colosis is a cell-fluited disease, that it always revuls in defocuting and disability and the amount of deforming and disability depends on the extent and duration of the disease. It combet this disease there are three indications if treatment Plant Larra tree indications if the combet the disease of the control of the cont

Under Mechanical Treatment immobiliza tion is given the chief place, and the fact is impressed that immobilization must be complete until the loint is cured in three t five years. Plaster of Para is efficient in the early stages. Bier obstructive hyperemia is mentioned as probable aid when thoroughly and efficiently carned out. Sur gical treatment for fixation of joint in adults is advised otherwise, surpery should be avoided in every possible way Antiseptic injections are con-sidered practically useless. Cold abscesses should be left alone unless they interfere with the treatment of the joint then they should be opened, evacuated and closed without drainings under exceptic precautions to prevent secondary infection. Sinuses are always the result of secondary infection. They should be treated as little as possible, except that blamuth past is useful where there are no large cavities. Tuberculin in very small doses may be beimut. P C. Emera.

Hoos and Ress Infections of the Hand. Ass., Swy., Phila., 9 3, Ivil., 361. By Serg., Gyasc. & Obst.

A study of all the cases of infections of the hand treated in the German Hospital Dispensary from

April 1 19 2, to October 19 2 ninety cases in all_

The authors followed the treatment advised by Kanaval. They found the method so successful that they have continued to use it.

They divided their cases into

I Felon o cures

Parocyclife 4 cases

Carbuncies, foruncies, infected bilaters and
cars, with other superficial infections. Simple in
claim, isoline, and wet dressings prevented superficial infections from becoming deep ones in 54 cases.

4. Deep fascial space and tendon shouth infection, twenty-three cases were treated with gratilying

The anatomy of the fascial spaces where pus might accumulate, as described by Kanavel, was made use of

 The tendon shraths i middle, index and ring fingers, extending from the distal phalmax to a line foiling the ultrar end of the distal palmar crease and the radial end of the proximal palmar crease— Esnaved 11 e

The tendos shouths of the floror longua politicus and radial burne extends from the base. I the distal phalanz and when connected to the radial (as it does in 9 out of so cases, Puinter) it extends to the lower and of the radius.

 Tendon sheath if the little finger and the alnar borm, when connected (as they are in 50 per cent) extends from distal phalanx to lower end of alna

Inchions used in opening fascial spaces and tendon sheaths

Tendon sheaths along proximal and middle phalanges are opened laterally. If drainage is insufficient interal incision is made along proximal interphalaneral loint.

phalanges! joint.
The thesar sheath may be split up to a thumb's
breadth distal to the anterior annular ligament, to
void cutting motor nerve and loss of apposition of
the thumb.

3. The hypothemar shouth may be cut from base of little finger t the anterior ligament.

4. The shear or radial being above the wright one incided is made be and a half inches above tip of almar down t and cross flevor surfaces of alma. A closed hemostat is thrust across both alma and radina and promoter quadratus and counter inciden made where hemostat shows beneath skin. The latter should be one and half inches up fore-arm.

3. The middle palmar space, opened by inclining into lumbrical canalis preferably between middle and ring fingers, may be made one and a half thumb breadths p palm and hemostat thrust beneath the deep flexon into middle palmar space.

6 Bilddle pelmar and thenar space a hemostat is peaked through incision just described for opening middle pelmar space, across the middle metacarpal bone and through the thin partition between this space and the thenar space and on across the ad distor transversus music to the dorsum between the first nd second metacarpals at about middle of the second metacarpal. Counter incision is made here and drained for eighteen hours.

7 Mid-palmar combined with subaponeurotic incision is made between middle and ring metacarpal where palmar crease crosses, a hermotat is thrust to dorsum and counter incision made.

Thear space, may be opened by one incluion on radial side of second metacarpal opposit middle of bone and on level it in factor surface. A bermostat is thrust through into thear space as far as middle metacarpal and no further.

 S baponeurotic space dorsal incision in interosseous spaces.

Hypotherar space by simple incision.
 The average of the 3 cases as 3 years and time

of treatment after onset as 6 days.

Nitrous caide d crypto Nas used in elpitem cases, ether in five. The preliminary handaging of fore-arm with gradual release and trigations were also abonded as unpercensary I cases Incision of tendou sheath the hand and fingers were held in continuous and the
There as perfect restoration of function in eighteen cases, partial in five hick had bone or tendon

necrous before treatment.

CONCLUMON

In the sixty-se on cases of simple infection all were saved from becoming severs.

The relation of the anatomy t infective processes as employed by Annarel affords simple fadications for treatment of any infections of these parts.

 For the twenty-three cases of deep fafection the incisions recommended by Kanavel resulted in the most perfect restoration of function with the least searring.

4. Disregard of the danger of opening lat uninfected areas caused so harm. Doubtful areas were incised before pus filled areas.

5. Blootless operative field was unnecessary
6. Conservative irrigation did no harm, but just
as good or better result were btained by washing
of what pus could be brought to the surface by gen-

to presents.

7 Passive movements of flagers in a day or so were free of danger and greatly selded efter enchalorss.

8. Dorsal inclaims or crarley seeded. Redness and ordens is common and tempts the uncertain

practitioner to incise and positive pus free areas.

o. Hot wet boric dressings, dorsel splint, flat dam

rubber drains were used—never tubing.

10. All cases without necrosis of bone or tendon when first seen recovered perfect function.

DOMAID GORDOTA

FRACTURES AND DISLOCATIONS

Eates, Huntington, Walker Martin ad Raberts; Fractures; Preliminary Report of Committes. T. Am. Surg Au. 9, 1, May By Surg., Gyac. & Obst.

By Surg., Gyme, & Obst. The scope of this investigation includes the fol-

lowing points

The value of the treatment of recent closed fractures of the long bones by non-operative methods and the treatment of the same lesion by operative method:

* The value of operative and non-operative

treatment of recent open fractures.

3. The comparative value of these two methods in viceous union and non-union if closed fractures.

4 The use fithe \ my
5. The percentage of patients able to return to

5. The percentage of patients able to return to work without disability

A symposis I the ork done by the Committee of

A synopsis 1 lat out does by the Committee of the British Medical Association is given in some detail as follows

1 That it is possible to obtain large per cent of

good results by either operative or non-operative treatment except in fractures of both booes of the forearm.

o Operative treatment of fractures regulating special skull and facilities to prevent sepsis (a considerable proportion of failure of operative treatment is due to sensis):

J That the mortality of th operative treatment I closed fractures in good hands is negligible. (However to those unable t will themselves of the proper asepsis, the non-operative method is likely to trimin move asf and servessible.)

The report cut discusses the variable factors hich must necessarily enter lot—statistical study such as local complications with injury t—the slife,

nerves, murcles and blood vessels.

The paper then discusses the tochief methods of mon-operative treatment of fractures namely

Prolonged continuous immobilization of the sent of fract re and discent joints by external prification of rapid spillats or dressings. This may be called the immobilization method.

Immediat gentle massage or friction relaxation of displacing muscles, with almost no fixation, and very early mobilization of the neighboring joints.

very early mobilization of the neighboring journal.

This is know, as the Lecus-Champlonierre method.

In the United States neither of these methods has
recruitly been employed, but the intermediat mechod is probably much more frequently neiopted in the

treatment of fract res.

The report next defined what is meant by non-

operative treatment as follows

Immobilization method.

Mobilization method.

 Operative method. This consists of incising the soft parts so as to disclose the sest of fracture and permit the pulcation of splints, acress or wire directly to the fragments. (The treatment of satisfactors in consistent of satisfactors in continuous of fractures is not discussed.) The report next sets forth th difficulties attending a statistical analysis, mentioning th fact that for such a report to be worth much, surgical attendance during the various inectures, should be equally skilled the fractures identical in character and situation, and the patients similar in temperament and environment.

\tag examination should be made, and reduction attempted under anesthesis. After a few days the reduction should be confirmed by \tag and attemption given to active and passive motion of the jointa. Prolonged abstinence from weight-bearing must be insisted upon in fractures f the lower limb

The committee ext discusses the following

questions
What should be the routine treatment for th

verage general practitioner and those unskilled in surgery as specialty?

What should be the routine treatment fo the trained surgeon with the usual facilities aff reled by small or cottage hospital?

What should be the motion treatment to the skilled surpose with adorgate bouristal facilities? For all three classes I medical attendants the committee believes that prolonged immobiliation with orniteness facilies by external splitts and toparatus should be shandened because of the on favorable complexations. This method fortunat by has bong been absoluted by surficial emperatus.

F the first class, the committee suggests the scody of certain method, midway between that. I immobilization and mobilization. General anesthesia should nearly always be employed in the diagnosis and reduction. I the incurrent. V-ray readings should be miterpreted only moder the chrest expertision of man accuratement to both chinical

and radiographic examination [bone lesions. The maintenance of the redoction (the fragments should be assured by the physician. Trectons, agints, or other easily renovable and adjustable appears us, should be so arranged as to allow easy and irrepent inspection (the seat [fracture and to permit easy passive, and sights active reovenents. I gazze: grouns, or other placels and the properties of the pro

What should be the routine treatment for the trained surgeons restricted by the modernt facilities f small cottage bospitais? Operative treatment should be restricted to rebellious fractures. The trooblesome functures that may, with propriety be mentioned as probable candidates for operative treatment are

() Fractures of the sargical beck f the humerus, (3) T-fractures if the lower end f the homerus, (3) instaires of the upper third of the radius, (4) fractures of the upper third of the radius with dislocation of the radial head, (5) fractures if the paddus and ulas in the shelts, (6) fractures of the upper third

femur (7) supra-condyloid fractures f the femur (8) fractures of the tibia and fibula near the ankle occasionally

In greated way, it may be said that operative treat ment suggest itself as the preferable method in any inctures which cannot be properly reduced and realmed after set closs. If operative treatment be selected, the metal plate under absolute acques in the final resource, onless open reduction above, so sturers, nails, or acrew be effective. The operation abould be immediate—that is, within a week or ten days after the receipt of the injury

What abould be the routine treatment for the stilled sampled experts with adequate hospital facilities? To this chas it makes little difference whether the non-operative or operative plan is followed. It is probable, though not certain, that consolidation of fracture takes place. Bithe more slowly after direct finatio of the fragments with a metal plate than in well reduced fractures under non-operative

treatment.

There are certain investigations which the committee desires the fellows of the association t pursoe during the next year.

The effect f immediate efficient reduction under general anesthesia Mobilization with light friction. (Lucas-

Chempionierre method.)

3 Molded splints not circular encasements.

4. Increasing the full time of co valescence i consolidation in fractures of the weight-bearing benea.
5. Foxing standards for the determination of the

probable period of absence from work demanded by treatment, and of the degree of permanent, partial, total disability likely to accroe from particular fractures.

 The value f straight doesn't splints or the plastic palmar splints in fractures of the lower end of the radius.

y The value of abduction in certain fractures of the upper end of the humerus.

8. The value of heavy weight traction. (Vuck.)

o. The use of the Thomas knee splint in fractures of the shaft of the femur (Jones.)

o. The use f an abduction frame in fractures of the upper third of the femur (Jones.) a. The value of forced abduction in fractures of

the femoral neck. (Whitman.)

The use of double traction I fractures of the

femoral neck. (Maxwell.) Francisc G. Dyas.

Miller: Primary Tra matic Decad Complete Radiocarpal Dislocation. Surg. Gyne. & Oht., 29 5, xvi, 400. By Sarg., Gynce. & Obst.

There are fower than forty reported cases of complete dorsal dislocatio without fracture. Classifications are not uniform, and often reports are incomplete. Dupsystem dealed even the existence of this lesion, and pare as his experience that these supposed dislocations f the wrist turn out to be fractures. The highly occurs most effect in young fractures.

male adults — those exposed to acute traumatisms. Only one case has been reported above 30 years of

"The who we execute action in its production. Rythyric and Cameron each order as inclusion to which the obow we fixed against a well with the above we fixed against a well with the hand was bent deverly here. Reports in with the hand was bent deverly here been made by Baya. Cooper and others. The production of exactly the same lexion due to switch the same lexion due to switch and the same lexion due to switch the same lexion for the same lexion due to switch the same lexion. For some lexical hand, and the same lexical hand had been reported by or Brunn and Rokard. Most darplacements occur without break in the integrantest although this has been noted by Cotonol, Karte, and there. This is frequently followed by infection. In few incaracter this lexion was supported by the same lexical ways and the same lexical series and the same lexical series and the same lexical series are same lexical series.

diagnosed post-mortem or confirmed by operation. In the differential diagnosis the following must be excinded () Barton's fracture () separatio f radial epiphysis (3) intuition f carpus (4) the carpus upon the metacapal (4) fractures of fore-

arm, (6) Colles a tracture.

Mechanically the most favorable position obtains with the hand dorselly feered and ingenpartly or tracted—clawlike. The volar tendors as act as skid to derate the carpo out of the miles and socket. Spatanodic on traction (foreum muscles maintains the deforming Displacement is emplay at the radiocarpal joint the deforming is angular the prominence abrupt. The hand assumes purpose parallel but posterio to the forearm. Reduction, Il not simple, should crute smaplion (some on plication. N mention is made of permanent dissibility.

The the reports case as follows: On August 9, 9 young man ago 3, while attemption start the motor of a large ant mobile, felt: sharp-pain in the region of his right wist. He was pain in the region of his right wist. He was pain in the region of his right wist. He was pain in the region of the right wist. He was pain in the region of the region. Such as the region of the region.

SURGERY OF THE BORES, JOINES, ETC.

McGiannan The Open Treatment of Fracture of the Femur Surp., Guac. & Obst., 10 3. Rvi., 439. By Surg., Gyme. & Obst.

The author points out that the union of broken bone is wirzl process, governed by the gent laws of wound healing and that good results in open treatment do not depend on the enderance and resistance of the plates and screws, but rather on placing the limb in the position that relaxes the much and inclines the fractured portion nearest

aormal line. The plate is an internal splint one whose pylicatio directly the bone makes per feet population possible, but whose action is required nly for the length of tim necessary for the formation of firm callus. Tunnion strong enough to break the Hamelman silver plate, or great enough to loosen

the screws, will prevent bony union although perfect approximation is obtained.

The rechainge is described in detail. The northest of securing traction is the early original contribution claimed. This is done by passing a long drill through the fearm above the condyles and making traction on this by means of a rope of gause passed across the front I the thigh. The advantages of this method are rapid actio with employment of this method are rapid actio with employment of minimum forces, consequently lessened slock. In addition the populated space is not embleted to pressure. In this after care of the patient thyride parameters of the attention of the patient through the dark with minimum conditions of the patient through the dark with minimum conditions at the point of uniform conditions at the point of uniform.

Frattin A New Application of Free Octroplastic Operation in Francisc of Paralytic Foot (Line new Anwendung der freien Octroplastik in der Fintion der newherber Francis Francis I der

nous Anwendoug der freim Osteopisselk in der Fintion des paralythehem Fusses Zentrolid. f. Clar 9 3. xl., 20. By Zenirallol f. d. ges. Chir. i. Orangeh.

thor has carried out an esteoplastic opera tion in the firstion of the ankle I a fifteen yes old girl, with old spanal infantile paralysis, as follows. After lateral incision, an osteoperfortial lamella of sufficient length and maximal thickness of 5 cm. was removed with a chieci from the lower part of the fibals. This was then placed between the previously prepared surfaces of the external mallenius and the calcaneus, and was here fastened thoth ends with few allk statches through the perfecteum and the superficial layers of the bone. The operation was carried still further by the freshening of the opposed joint surfaces of the or calm and or naviculare, and by an approximation with strong silk by means of through and through suture. Moreover the tendons of the tibialis anticus and tibialis posticus were fixed in the region I the talocrural joint by simple auture in the strongest parts. I their previously coened sheaths. Seven months after the operation the results, so far as ppearance and function were concerned, were good.

Brianna.

Schultze The Treatment of Fracture of the Patella; New Method of Repairing the Extension of Succlear Dis Beckending the Patellanda to the new Methods are Rekonstruktion on Strack-apparatus). Each of wishes, Chr. 19, 1, 22d, 547 By Zentralla, f. d. ps. Chr. 1, 1 Ornength.

A separation of the patellar fragment can only take piane if there is a simulatoness repter of the extensor innection the separated parts to position, the control of the c

caight. Then, after removal of the forcers, the largernits are drawn back into the normal position and fastened with periosteal seagure. Bony beating takes place in this position. The skin is satured and drainage maintained for trently-four bours. On the tenth day the skin settines are removed, and the twelfith t the filterith day medica-technical treatment is ratered. This gives better results than manage. In old or refractory cases, the conceive tissue care in a crede or larger type resected. Here, too, hypertension and siture of the contractile inverse is of great importance.

In zine cases Schultra obtained good rerults by this method. Of those who were insured spilnst accident only one received to per tent of his in zurance, another only one year' temporary annuity. The oldest patient (6 years) left the boughtal after trenty-right days with the knee-function complete.

ly restored.

You Wrzesnlowaki Operation and Open Method of Treatment in Paralent Fistulous Tuber culosis of the Joints (Openios and office Se issulfarguarthods for chrism faculous Gelecktobritaios). Desirable of Keng 9 2 by Zeniniki Ld. gra. Chir a. L. Geszuph.

The joint aboud be overed by a long transverse incident between at the statement matter and. It necessaries before the resource blaceral longitudinal lacisions about a resource blaceral longitudinal lacisions about a supplemented. The joint is the opened by fixed to permit of a thorough the superion of all the parts. The 1 the permit of the permit of a critical from the booses and the soft parts. The all critics are theorough packed with mult and joint existing a man of the proper position, avoid fing stuters of any description. At very reviewing the joint is opened, the panse removed, and it critical critical gramment. They grow the variety critical gramment in the growths, which strike game of the immobilization stended to as described support. The proof the grammation thus forms at the base of the wounds, the greater the contion to be berred it the flexion of the joint

The advantages of this method ser () The frequent possibility of eaking amput thon nunrecessary in 1d dvanced cases of supportant to the culoria of the joints. () Preventle of the typical reaction and abortening of an entremity. (j) The possibility of a thorough inspection of the entire diseases are a covery offersoung of the immodiar (d). The possibility in early all cases, of besting this own disbudy in nearly all cases, of besting this own disbudy the formation of fatula that no frequently resolves itself int amnorthely prolonged and offensire. Her-treatment. (j) A considerable reduction 1 point at the redressings.

The disadvantages are () "rolonged treatment before healing and cleatrization are completed, from 3 to 6 months. () The final result in the majority of cases is complete garkylosis.

This method the author has employed, since

90 In the shoulder elbow knee, ankle Chopart, and Lidrane joints and has had permanent results in over 50 per cent of the cases i. e., there were no factules and no relapses.

Todd The End Result of Excision of the Elbow for Tuberculosis. Am. Swg., Phila., 9 1, 1vil. 430 By Swg., Gynec. & Oust.

The difference in opinions held by surgeons as to the aitimate state of or the changes in a John Decembry for a cure of t berculosis is the extune offered by Todd for a short contribution on this particular lobst discrete.

The autho a report of a cured tuberculous elbow joint without destruction of joint function is not, as he states, in refutation of Ely's contention that nkylosia is the essential factor but merely to show that a cure of a tuberculous joint may be effected with preservation of joint function.

Total dissected the body of a female aged or years, whene death wa die et an benes of the right front all reads of the Brish. There was an extre thereunds related to the brish. There was an extre thereunds related to the frontal bene on the right side. The right flow of the frontal bene on the right side. The right flow of the spatial exclusion had been done, showed no which a partial exclusion had been done, showed no which a partial exclusion had been done, showed no which a partial exclusion had been done, showed no and the entire articular surface. I the humerus had been entirely removed, the dissection disclosed loid cavity Band with synovial membrane, filled with proposal field.

Histologic study by Lorrain Smith of the Joint structures further demonstrated the actual presence of symbolial membrane, and the absence of tuber cular disease. Todd is of the opinio that a cure f tuberculous Joi t disease does not necessarily call for an obliteration of the joint cavity.

Ws. Puller

König Cilnical and Experimental Observations on Ivory Transplantation (kiloische and experiment Je Beobucht ungen aber Ellenbeloiseplantation) Doubled et Konn n.b.

Destacio ch Kong 9 3. By Zentralibi. I. d. ges. Chir u. i. Greszgeb.

I reference to former soccessful implantations. Redisgraped contamental Mealing and technique. With pool sergist, bone and soft parts enter usin intenta unio with the lover. It is gradually replaced by bone. The behavior of the soft parts is particularly important. It, in frequently happens, extravession of blood leads t a firtulest performance of the soft bearing the very with a secondary muscle transplantation with a militeral to done the first transplantation with a militeral to done the first transplantation with a militeral to done the first transplantation with a militeral to do the first transplantation with a militeral to done to do the first transplantation with a militeral to do the first transplantation with a militeral to do the soft case. The bury many tellinguished to the soft parts of the soft pa

This believe adds another successful case to those previously reported. The case reported in 10 s in which the lower law was implanted has remained

cured. The less case was an irroy implantation into the cibow joint (the trackless with a pictor of humeres the width of hand being removed). The patient has been using it for year. He moves the joint, is free from pain, can lift with the arm and postular remains. Aforg again recommends two primals remains. Aforg again recommends two primplantation in fractures and in bony defects, including joints.

Röpke Transplantation of F t in Joint Sorgiery (Uber die Verwendung irratransplantierten Feiten in der Geienkehleugen) Deutscher ehr Kong 9 3-By Zentralbi. L. d., gra., Chr. u. l., Grennigh.

Since his previous report in g the author has been working clinically and experimentally on this subject. Choical observation has shown that flaps of fat as large as the palm of the hand may be med in joints without any retardation of the healing of the wound. The special functional demands made on the fat flaps in the joint causes a different result in the regenerative process than if the fat had been transplanted into subcutaneous trans-berruse there greater new formatio of connective pierce bet can the heavily weighted and moving ends of the bone. B tin places where the fat is able t permist in spit of the impetional demands made on it, after some degeneration at first, normal fat twens is found again after about t weeks. A further report will be given of the first autological changes. Rooks operated o thereen joints and merposed free flags of fat. They were inger, west, elbow shoulder, hip and knee joints which came for treatment of synostone and fibrors ankylosis from old disloca tions. H used kocher's increson the elbowjoint. There was primary bealing in all cases and the functional results were good. Il used free transplantation even in the operative treatment of joint t berculoses and here as in the other cases, obtained healing by first intention and good func tional results. At the hip-joint, after removal of the diseased capsule cleaning out the acetabulum and exclusion of the diseased head, the rest of the neck was moulded the acetabulum filled with large flap of fat and here as in all other cases, the joint closed up and placed t rest in plaster cast for three weeks.

After that active movements were begun what were grainfully combard six their orthopodic methods. Very rigorous movements are not to be undertaken the dist few weeks, in order to wook hemorrhage by tearing loose the fage and thus increase the production of the time-point we distributed by the production of the face and thus increased capacita are made. The lateral inguiness are experted from the pricombyles of the remay the decision to the face are made. The lateral inguiness are experted from the pricombyles of the remay the decision to the face are made and the standard of the control of the face and the particular that the control of the face and the face and the face and the face and the made in the feneral the band is drawn over the femury sandkru of equal size is fixed by source to the specific conservity the lateral ligaments suttend

and the joint closed. After three weeks In a planter cast, active morements are began with measure of the very much strophied extensor meades. The position of the ley is excellent and also: the extensors have not been injured in any very by the openition, have not been injured in any very by the openition, extended and motion that picts of the completely extended and motion that picts of the protest of the control of the picts of the proceeding of the property of the proceeding of the propound of his efficient and experimental investigations, recommends transplantated fat flags as exceltable of the property of the protes of the property of the protes of the protection of the protection of the protes of the protection of the protection of the protes of the protection of the protection of the protes of the protection of the protection of the protes of the protection of the protection of the protection of the protes of the protection of the protection of the protection of the protes of the protection of the protection of the protection of the protes of the protection of the protection of the protection of the protes of the protection of the protection of the protection of the protes of the protection of the protes of the protection of the pro-

Letter: Ra-transplantation of Joint Bones Arthro-autoplasty (Rickverplantage von Geleakellen Geknikastopiastik). Zestrold f Chir 9 3.

ni, dos By Zantralbi. L. d. per. Chir v. i Grentpeli. In limition fractures which were formerly treated by removing all dislocated pieces of bone and those completely separated from their surrounding termes. the uthor recommends utoplastic implantation of such bones, reconstructing the normal anatomical relations as well as possible. The growth of such implantations is made difficult because the fragments are not placed in normal tiesues. In the recent cases, the treenes are poorly nearished on account of the harmorrhages and contratons in old cases, extensive communicons interfered with the blood supply of the segments implanted attempt should always be made, as in the worst cases (necrosis of the implanted parts) the recelt will be as good as the immediate removal of such parts would produce.

The author operated two sech cases to date. The first case was an elowy point fracture and dislocation of two months standing. The completed separated fragment was restored: It has normal location ash bed in plare by a per made of horn. The trend was good functionally. The second case was a limition and fracture of the humeres. The like of the interior crushed obliquely left with surprise meth. The completely expanded fragment was the completely expanded fragment was the completely expanded fragment was the property of the completely expanded fragment was the completely expanded fragment was the completely expanded from the safet-treat ment is not completed.

Allison Th Results Obtained by Implantation of Silk Tendons in the Residual Paralysis of Poliomyelitis. Am. J Ordey Sart. 9 3, 50-89 Sarg Gyan. & Obst.

The author discusses the operations used to proceed the first point in full plants. Archreden's bas lost for vorus, due to the poor results that have followed its sea in children. Lange and Lorent are both of the options that it bould seek the lorent are both of the options that it bould seek the part better, also be a bounded on the same of the plant function of the articulation to be sifted about the carefully considered. Considerable soc cas has followed the same of silk check Egaments.

ORTHOPEDIC SURGERY

DISEASES AND DEFORMITIES OF THE SPINE

Murphy Impacted Fracture of the Body of the First Lumber Vertebra; Laminectomy; Rapid Recovery Following Decompression of the Cord. Surject Cliner of John B. Hurphy ors, R. No. z. By Surg., Oyner, & Obst.

While walking in his sleep a man of 35 fell distance I about a feet, striking on his buttocks. He was unable to get up on account of pain in back was able to move his legs, but it hurt him to do so. When put back to bed his doctor found a prominence of the last dorsal and first lumbar vertebra with ecchymosis. Examination showed no paralysis but loss of sensation ver buttocks, perincum, scrotum and back of thirts, as far as knee no less of sensation in front of thigh no girdle pale and no annular paralysis. Since accident he had t he catheterized thrice daily For the past week or two control over bladder seemed to be returning. For the first four or five days had great trouble in getting his bowels to move since then had had in roluntary evacuations. For past week was getting hittle control over sphincter Examination revealed a prominence I the eleventh and twelfth dorsal and first lumber spines. N paralysis of muscles of thighs, but calf muscles felt fiabby Tactile scnearso absent vergi tel and diminished on back of thighs. Superficial reflexes present. Left knee ferk exacgerated right slow and scarcely perceptible.

Operation showed a pronounced inxation forward of the first lumber rertebras the angulation as so sharp and the cord compressed to much it seemed strange there was no complete paralysis. The spinous process and lamina were removed from the first lumbar vertebre so the cord was perfectly free behind the sone of compression. The muscles were sut ed across the spinal column with catgut, and outside this the lumber feaces sutured, also tih catgut making an course apposition. The dura was not opened. Patient left hospital within five weeks, earing leather jacket. To months later be returned to snamination. He had regained complete co trol of his sphincters and of all muscle power except that he could not raise himself on his toes H returned gala after t more months. H could not raise himself on his toes, but I about five mo the after the operation he had entirely recovered from his injury still wearing the leather jacket. L J Morcons.

Hatch The Use of Corrective Pleater Jackets in the Treatment of Scolineis. How Origins II by S. J. 9 1, kry 7 5. By Surg., Oyanc. & Otat. 5. J 9 2 LEV 7 5

Scollogia is considered from the standpoint of the general practitioner to whom suggestions regarding early diagnosis and proper disposition of patients Are given.

Technique is considered in part two cases are reported and four Illustrations appear.

The value of preliminary exercises over a period of a month before corrective plaster jackets are used is advised. The jacket is put on in suspension, first getting the patient in as good a sitting posture as possible on an adjustable seat. Rotation is corrected by bands pulling in alternate directions, with as much force as the patient can stand. The author claims good results if sufficient time and attention are given these cases. H. B. THOMAS.

Albeet An Experimental Study of Bone Growth and the Spinal Bone Transplant. J Am. M Att. 9 1 15, 2044.

By Surg., Gymec, & Obst. Alber presents in this paper deductions and conclusions based upon experimental operations on thirteen dogs, reported in fall, in conjunctio with a clinical experience gained from 30 bone-grafting operations on the human subject. He concerns himself chiefly with the operation of transplanting a wedge-shaped strip of tibis into trough formed by splitting the spinous processes, in Pott's disease. The article is illustrated with photographs of trecamens showing end results.

According to Albee a bons transplant may act efficiently either by healing solidly in place and remaining in toto, or by serving as an ostsocon-ductive scaffold and becoming absorbed. If the graft is to live, he says, the blood supply contacts that be of favorable character and umerously distributed along its whole extent. It pourently acts always as a stimulant to esteogenesis on the art of the bone into which it is transplanted. Perforteum and marrow substance on the bone graft tony serve an important rôle in aiding to establish an early and abundant supply but transplants lihout perfecteum give good results. I the dog the spinal graft loses to identify at about the fourth month, but bony bridge remains. Albee states that he was unable t produce be y bridge bet een vertebra experimentally by the method of breaking don the spinous processes one upon the other (Hibbs) or by the insertion of perforteum.

The author had successful experimental results with graits which had been kept in normal saline at low temperature for as long as a week, and portions of transplant became united to the recipient bone even in the presence of active sepsia. Crafts from another species did not take considers that its perm-resisting property and its early adhesion, by bony growth, to hope with kich it is in contact, makes the bone graft superior t metal internal aplints, which favor sepals and laduce bony absorption.

The conflict botween the ideas of Macewen and commonly accepted opinious as t the esteogractic function of periosisum Albes explains by stating

TOTALION -Spiller tion thems which had spread from the edge over the the transplant was provided ospecially by granula of the times and the nuclet, as well as by definite signs of circulatio formation. The nourishment of alive, which was sho by the good staining ability the thee bundles, large areas, however remained hemorrhages, swelling and liquelactic of some of reserve and areas of severa injury in the form of sixty day because of a recurrence. The plece of

extirpation of a tumor and had to be removed after

DISEVEES AND SURGERY OF THE SLIN AND APPENDAGES

C II Irone disability in the average case. or I peace is becoming very little or no permanent CONTROL GOOD USE OF RESERVE DESIGNED

though treatment, tilt no of the need of the tean olgan lamind od! bine I nothroner a bun viswoort 5. I all cases there is a tendency to apontaneous

TI LIOGURE 1 ADESCULA INOCILIA recovery from coas vara. This statement is made 3. The condition apparently needs no treatment.

er degree in Laock-kases thus in bow-lega-In this series of cases it was observed to a great

but may exist undependently comitant condition of knock kness and how-legs, t Rechibe, cons yays is a frequent and conare exocupated a regime eq.(

to present the spoke rendered bearing the would slee have a lavorable influence testoustion of the lower lefts toward a normal weight as the cors vars trods to return to normal, any case receiving the neural treatment. It seems that AS'S COURTION AND COURTE BY EGOOD BY IN THE ONE and bow-less. The result obtained for the coastreatment was tenured to only for the knock knock and the state of bow-less in which ractilits is the unceilled of no cene, SOUTH CLUS MAD CALCA OF COME VALLE ACCOMPANYING

Outside of Spontaneous Recovery from Tale Out.

By Sarg., Gyner & Out. Seria Condition with Lepecial Reference to the

C. A. Stores.

nearship cutes of congenital equinovarua. next time. Concluding, he says, there are no bloodless method. Elkenbary says, though the result is perfect, be would do an open openation deformity had great force used upon it by the pleater One twenty-two year old case of moderate old cases had Achilles cut one cured, one wearing cated tour ander treatment. Two tourteen year. of wedge of bone from outside of foot. Two were Achilles divided, four had tenotomy plus removal state of Six sees are to derengears. Two only

been transplanted to cover delect in the dura after taken from the thigh, 8 cm. in diameter which had microscopically very carefully a piece I fascia. atou alsy By Zentenibl L d gen Chie n. I. Grengeh.

tchen Organican) Were bin Britanchy 9 p. solices fred transplanteries Fracts for memoria-Organism (Lie Beirag zu der Leminis des Ver Transplantation of Pescia in the Human Chilari Contribution to the Study of Free

ing and tends to relaine the other has been lost I proce ena cented, two work pleater one ween nothtwo to gas years. Overcorrection to one operation. were cured three still wear supports. Seven were ander anesthesia tenotomy i Achilles only five eight were three t eighteen months, all corrected charged without supports, remaining corrected to person in the manita to now to person in the supports. The shows there years, There shill seet supports. The shows there years, There is the seet of the first state of the support of outside of toot, thinking it much emperior to Phelps procedure. I the thirty-six cases, nine were disseri mout enoug to some H Dictions to remove of toeving a supposed to become a finited to time is necessary and bendes it has the disadvantage rects more quickly is wrong, for support tor a long correction under answelderic should be done, working with the foot until it in fishby before applying plea-ter. He says the idea that Phetpe operation our to babies and in all after one year formble complete Acadies if need be. He believes that in severe cases operation. Correct varue and adduction first cut series of casts extending to above knee and without once after birth and can often be accomplished by alter final correction. Treatment is best begun at time is until the child in walking for at least a year of the support I t too short a time. The proper are first, lack of overcorrection accoud, retendion permanent correction, which proves the treatment in many cases is tanky. The causes of failure CRECE, UNERLY had been previous! operated without Effectively says that in his series of thirty-six

novators. Methods Med. 9.3, 97 acc. & Obel. Elizabery The Correction of Conscious Lqui-

MALFORMATIONS AND DEPORMITIES

ALBERT PRESSURE.

a sharp perioateum elevator in bons resection. greenic layer. He advises accordingly the use of not likely to be deep enough to include this catenthe hone. Dissection with a hint instrument is cells are in initimate contact with the surface of notilys tissue, and that the active osteogenetic that the outer layer of periorteum is largedy conthat the outer layer of periosteum is largely con pective timpe, and that the active esteogenetic cells are in intimate contact with the surface of the bone. Dissection with bi t instrument is not likely to be deep enough to include this outcogenetic layer He advises accordingly the use of a sharp perfecteum elevator in bone resection. ALBERT EMBERGE

MALFORMATIONS AND DEFORMITIES

Elkenbury: The Correction of Contenital Equi novarus. Nathanti Mal., 9 h. 97 By Surg Gyme. & Obst.

Eftenbery mays that in his series of thirty-six cases, twenty had been previously operated without permanent correction, which proves the treatment in many cases is faulty. The causes of failure are first, lack of overcorrection second, retention of the support for too short a time. The proper time is until the child is walking for at least year after final correction. Treatment is best begun at once after hirth and can often be accomplished by

series of casts extending to above knee and without operation Correct varus and adduction first cut Achilles if need be. He believes that in severe cases in bables and in all after ne year, foreible complete correctio under anesthetic should be done, working with the foot oull it is fabby before applying plaster If save the idea that Phelos operation co rerts more quickly is wrong, to support for long time is accessary and breades it has the disadvantage of leaving a foot predisposed to become flatfoot. He prefers to remove wedge of bone from the outside of foot, thinking it much superio t Phelps procedure. I the thirty-act cases, nine were discharged without supports, remaining corrected now for periods ranging from three months to three years. Three still car supports. The above twelve began treatment under five weeks of reeight were three t eighteen months, all corrected under amenthesia tenotomy of Achilles only five were cured three still wear supports. Seven were two t five years. Overcorrection in one operation. Three are cured, two ear planter one wears nothing and tends t relapse, the other has been lost wight of. Six were five to eleven years. Two only Achilles divided, four had tenotomy plus removal of wedge of hone from outside of foot. Two were cured four under treatment. Two fourteen year old cases had Achilles cut one cared, one wearing phaster One twenty-two year old case of moderate deformity had great force used upon it by the bloodless method. Elkenbury says, though the result is perfect, he would do an open operation pest time. Coocheding he says, there are no incurable cases of congenital equinovarus.

C. A. STONEL

Sever: Cox Vara; Some Observations on This Condition with Especial Reference to the Ouestion of Spontaneous Recovery from This Defermity Betse M & S. J. 9 3, civil, 405-By Surg. Cymr. & Obst.

Bever cites nine cases of coxa wara accompanying knock-kness or bow legs in which rachitis is the underlying cause. With the exception of one case, treatment was resorted to only for the knock knees and bow-legs. The result obtained for the corn yers condition was equally as good as in the one case receiving the usual treatment. It seems that as the core vara tends to return to pormal, any restoration I the lower legs toward a normal weight bearing line would also have a favorable infinence in hestening the above tendency

The author a conclusions are

Rachitic cora vara is a frequent and copcomitant condition of knock Lares and how-lers. but may exist independently

In this series of cases it was observed to a great er degree in knock-knees than in bow-legs.

 The condition apparently needs no treatment.
 The correction of a co-existing condition f knock-knees or bow legs may hasten the process of recovery from core vars. This statement is made without evidence 1 support it.

5. I all cases there is a tendency to spontaneous recovery and a restoration t ward the normal angle f the neck of the femur without treatment, with no cessation from use or weight bearing. 6. There is probably very little or no permanent

datability in the a crass case. C. M. JACOBE.

DISEASES AND SURGERY OF THE SKIN AND APPENDAGES

Chiari Contribution to the Study of Free Transplantation of Pascia to the Human Organism (Lm Beitreg as dar Kemtnis des Ver aultem fres trampliatienter Fasce im mesach-Ichen Organismus) West blen Behneir 19 3-

zavi, 167 By Zentralbi. L d. gra. Chiz. u. L Grennych.

The author had an opportunity to examine microscopically very carefully a piece of fascia, taken from the thigh, 8 cm, in diameter which had been transplanted to cover a defect in the dura after extirpation of a tumor and had t be removed after sixty days because I a recurrence. The piece I fascia showed areas of severe injury in the form of bemorrhages, swelling and liquefaction of some of the fibre bundles, targe areas, bowever remained alive, which was shown by the good staining billty of the tissues and the n ciel, as well as by definite signs of circulation formation. The nourishment of the transplant was provided especially by granula tion tissue which had spread from the edge over the BEDIC.

MISCELLANEOUS

SCESSES, ETC.

Hoffman The Menace of Cancer T Am. Gymra. By Somr Grase, & Otal. Att. o & May

On the basis of trust orthy official data, it was saf to estimate the annual mortality from cancer in the United States as 75,000 and so the civilized world thalf million. The cancer death rate in the United States was increasing t the rate of 36 per cent per naum and corresponding increase was tak ing place practically throughout the civilized world The verage age I death from cancer in Il forms was to years, or respect by 60.4 per ent years for males and 58 per cent to females. Cancer was largely disease fadult life and the total mortality from cancer on per cent were deaths of sees I a and over. The male cancer death rate in the United 5t tes, ges 5 and over had increased so per cent during the bast dec de nel the female can cer death rat had increased 3 per cent. On the basis f part experience, the distribution of cancer deaths in the United States d ring og would be about as follo Cancer of the stomach and liver yo. 5 cancer I the female generative organs 35 cancer I the rectum intestines and perstoneum 0.503 camer of the breast, 6,5 7 expect of the mouth tengue etc. 380 cancer of the skin.

670 nd cancers of other organs nd parts. These I tustu fully sestained the conclusion that cancer as most senous menace t the American people and that the tendency was toward an increase | the mortality regardless of the cancer deaths prevented by early surgical operation. The espect death rat of large American cities had Increased from 3 per one hundred thousand population during the five years ending th 5.5 t So 5 per cent do g the five years coding with o The cancer death rate of the city of New York had increased from 37 5 per one hundred thousand f population during the three years ends g with \$7 to 8 4 d ring the tre years ending th o corresponding increase in the cancer death rat Philadelphia during the same period of time had been from a 1 t 86.1 per cent. At ges 60 and over in the stat of Massachusetts, the mortality from cancer of the external organs for males had increased from rat of 65, during the five years coding the o a. The corresponding increase for females aged to nd over had been from \$5.0 per 3 per cent. Anide from the observed increase in the mortality from cancer, there had been an increase in the mortality from biliary calculi in the registration area of the United States from 5 per cent per one hundred thousand of popula

tion in 900 to 3.0 per cent in 0 ; All the facts

vallable for the different sections of the country

CLINICAL ENTITIES - TUMORS, ULCURS, AB- and the principal cities throughout the world tratained the conclusion without qualification, that the menace of cancer was much more serious at the present time than it had been in the past.

The only hope for the patient lay in the early possible recognition of the symptoms of cancer when operative treatment was comparatively casy matter

Walker and Whittingham Th Effect of General Contraction of the Peripheral Riosed ressels apon Mouse Cancers. Lanci, Lond., 9 3. By Surg., Gyrec. & Ohel. CUXXIV

The Equalitation and final desappearance of tumers in mice are bisined by the intravenous injection f various highly toxic materials. The theory of the treatment is based upon Ehrlich's statement that tumor cells possess much greater vidity for exygen and nourishment than do the cells f normal thems. In the case I am now expen-ments the useful dose f the compound is nearly as great as that which kills the animal outright, and the failure of directly into the circulation. The cells f normal there. In the case fall these experi mmediat effect of the compounds I jected by Neuberg and his collaborators is described as contraction of the blood resch of the body and diletates of those of the tumor. The dilatation and contraction of blood-vessels is controlled by the nerves, and hence it is possible that when these polanaous autotances are introduced int. the circulation the immediat result is the contraction of the blood reach generally excepting, of course, those in the tumors, through the action of the compounds pon the nervous system. The blood vessels and spaces in the tumor owing to the increased pressure produced by the contraction f the vessels I the body are passively dilated. The polsocous compounds, having been introduced directly int the blood stream ould thus act for more upon the tumor cells than upo those in the body generally, nd as they are described as being very astable they ould tend t break down before the blood-vessels I the body again dilated.

The authors injected mice, in which tumors had been produced by grafting, ith various substances which produce the in the blood pressure and contraction f the vessels in the body generally. The taubstances with which the best substances with the best substances ere obtained were ernutin, preparation made from ergot, and pitultary extract. The thors give in detail their results from the use of these two substances and think that in view of their ork, these two substances produced somewhat simila results to those used by Wassermann and by Nesberg and his collaborators. I the case of the phultary extract, where the dose was larger and more injections were given, pecrosis was induced as well as hernor rhages, and the growth of the tumor was appar

ently checked in a large proportion of cases. But there is no suggestion that there was any specific according to the cancer cells. They think that the result of stands of which could be cancer cells. They think that the result of stands of the cancer cells. They think that the result of the case of the c

Rous False Transitions Between Normal and Cancerous Epithelium J Exp Hal, 9 5, 278, 494. By Surg., Gynce, & Obst.

The question as to whether there is a tree transfer from let em normal and cancer cells has been in the delated on count [in bearing on the theory that cancer originate directly from the normal cells among which it among certain investigators bolding that this does come? Ross presents a number of photo-interpretation of sections above the specific and the section of the section and the section

may be.

Rom does not affirm or deay the existence of transition, but presents the article and photographs

transition, but presents the article and photographs merely for the purpose of drawing attention to the greater custom necessary in interpreting the histological presentness of transition between normal and carelmomatous epithelium. Jacon F Chuncuna.

Tytler A Transplantabl New Growth of th Fowl Producing Cartflage and Bone. J. Exp. Mel., to 3, 2vd, 466. By Surg., Gyact. & Obst.

Tyther has recreasingly transplanted outconformations of the common lovel, designated as Chicken Tumor VII. He has transplanted it to Chicken Tumor VII. He has transplanted it to series accessive series i bosts. Tha riginal growth contained bone and cartilage and was attached to the sternal keré of an therwase healthy chicken. In the growths derived from fit transplantation cartilage is regularly had down, bottomed by bone if the boat three long enough. The pre-chordral times constant is product-alapsed or multipolar cetts of the fibroblastic type. The chordral times constant is product-alapsed or multipolar cetts of the fibroblastic type. The chordral times above it is not constant in the comments of the pre-chordral times above it is to assume the contraction, and this is further porces by the occurrence of meta-risses in one case.

The temor could not be transferred t pigeons, bet grew readily in two allen breeds of chickens. Re-inoculation experiments suggest the occur reach a natural individual immunity, and for certain degree of cquired resistance. The temor has been transferred by means of the filtrat from a Berkrield filter.

Davis: The Transplantation of Rib Cartifage into Fedunculated Skin Flaps; An Experimental Study Bull John Hepkins Heep 9 3, xiv 6. By Surg., Gymc. & Obs.

In the correctio of mutilations or defects, such as those which involve the ears or nose, it is often requisite to use flaps of theme with skin on both sides. These flaps can be secured in many ways, but Davis believes the factor of chief importance is to provide framework to support the flap which will secure the desired contour and at the same time prevent shrinkage. The ideal substance for this purpose is readily seen to be a material which will not act as a foreign body one which is easily obtainable is rigid enough f the purpose and at the same time can be shaped as desired. In secking for some suitable tissu in the body which would fulfill these requirements, the autho was led to undertake the experiments with costal cartilage which are outlined In this article.

Twenty-four experiments were carried out on

filteen dogs. The cartilage was btained from the cartilaghous ribs. The perichendrium was not disturbed except when shaping was done. The car thage was either imbedded in a thin layer i subcutantons fat, or was placed in pocket burrowed in the subcutaneous time itself or was surrounded by the skin after the subcutaneous tissue had been removed. H varied th locatio and shape of the cartifage in the different flaps. In some it was placed parallel to the base i the flap and in others vertically and in different parts of the flap In still there it was placed diagonally across the flap. The pieces of cartilage used varied in length from 14 t 7 cm They were allowed to remain in th flaps Îroma 7 t so days. Macroscopic examination at th end of this period showed in every instance that the equarely cut ends I the transplanted cartilage had become slightly rounded. The healing was reactioniess and the cartilage did not act as foreign body. The measurements if the cartilage when removed from the flap differed very little, if t all. from those taken at the time of transplantation.

Microscopic examination showed the transplanted cartilage surrounded by loose connective tissue some containing shood resucts, which were more or less shoundant according to the length of time after transplantation. The cartilage cells appeared normal and there were no signs f degeneration or absorption.

From the results which Davis has bedined in these experiments and from clinical experience befeels one that the transplantation of rib cartilage int skin flaps is safe and promising procedure. If suggests that cartilage can be used—the advantage in otopisary in the restorative operations made eccessary by trunnation and disease. In microsis also much can be done, by the transference of a flap these supported, in improving the condition due to arrested development. I "thioopisisty the cartilage support can be placed in a double faced skin flap from a distant part when it is formed, or can be imerted after the flap is in its new position. It is especially dvantageous in the correction of saddle none.

As t the fate of the transplanted artilize in these experiments as far as on the scen the carthag live, in properly nourished and does not act as foreign body. There has been no increase in length in any of the pieces transplanted. There is practically no hospopion and there are no signs of deponention, either macroscopically or microscopically or microscopically or microscopically to the cartilage sharink very little ill any p to four smooths, hich is the longest period in the series and it access reasonable to believe that it will excite and it access reasonable to believe that it will not the longest and a lift lift and act as support as long as needed. General Enters

SERA, VACCINES, AND FERMENTS

Kecher Further Observation on the Treatment of Texamus with hispens and lipins (Notices Bookselvinger ther des Helling des Texams and Magnesius audit). Cor BL f. schweiz, Arise. 9 J. 10b, 92.

By ZentraDi I of ges Chir L Grenageh.

This paper is detailed communication regarding three further severe cases of tetains like ere treated by intradural injection of magnets in sulphat T of the cases recovered.

sulphet The third was the case of 6 ami a half year old child th Ablederung f th Vola mamma - an ini ry hich showed an atraordinorily favorable nuterlier substrat m for the tet us beeilim after an eight-day inc bation. As result there as here raped development of tet us to it most virulent form I which the taus les of the head he k and thora we re especially it led theraups. As an amorated use of death, the torm showed thrombous of the same kongitudinales, of the left sinus transversus of the perticul cerebral eles, and of the branches of the pulmonary ver of the lobe. A fra hours necrotica. hich had reached the man bronchult bests to be regarded the coult of local unjury through trachest my due t the author use of tyge muffizzion follow

ing threatens g watto frespiration. o of s per 'ent magnesium sulphat solutio was used for injection coording t the age of the path, to ad the solunce of the spagnes. Occasionali several njections day ere required. The jertion is indicted at the appearance of muscular systems, and with continued rigidity only where respit tion is markedly inhibited by the rigo of the throat abdomen nd thorax muscles I the cases observed, certation of the cramps, elasation nd alcep ppeared after a short tune -occasionally few minutes. The flect of this i tra after only darali jection of magnesi m sulphat depends pour local processes. The positio of the patient fields great influence ver the manner | hick the spreads, so that if the patient is placed horizontally or if the head is placed a little to er deep sleep appears after very brief time Tais effect is also

seen if the head is not lowered until some time after the injection. If an examination of the spinal cord of the child which had died of tetanos, Bürgi was able to demonstrate the presence of the magnesium salt in the pervous tiesue and be found that the content decreased from above downward. This tallies exactly with the clinical observations on the influence of position on the extension of the action. The eignificance of this lies in the fact that the physician may thus regulate the distribution of the drug. Kocher recommends that one strive to secure a cerebral ffect from the first where the muscles of the head and chest are involved. Where the respiratary center tends to become dangerously involved there are certain remedies, such as the weshing of the subarachnold space ith salt sol tion and founflation of xygen or air The author performed tracheotomy in all three cases and insufficied oxygen. According to a communication from Melteer however a sustained insuffiction under 15 to mm. mercury pressur is preferable because in that case the carbonic soid is more quickly expelled. A prophylactic physostremia injection or eve proph) lactic tracheotomy may be con-actered, i order that, in case of necessity oxygen or al may be immediatel administered.

Westernor

McCord Th Employment of Protective Enzymes of the Blood as a Mann of Extracephreal Diagnosis. Surg Gyerc & Oats, q. g. rri, a R. By Surg Gyerc. & Obs.

On the parenteral introduction into the blood of sub-speces different to stroct rat form from such as normally occur there arise etaymes capable f dry terrating these foreign materials, and transforming there at forms not qualitatively different from normal blood constituents. The portain of entry for such materials are () overloading the intentinal tract so that some food passes through the entenc barrier in a complex form () from rates record and I tra-abdominal jections (3) or from the orga s of the body hich from their individual specific and ra when thro a int the circulation a nehanged albumens, re no less foreign than parenteral injections. This formation of protective enzymes is involved i the phenomena of sensitivation anaphylixi and immunity Such an engruse cleavage of proteins anderlies the various cutaneous reactio such as lepro-dizenous, tuber culin reactions, and the cutaneous discusses of symbolis. It is pointed out that cleavage I proteins not ally occurs intracorporcally, but that drawn blood has similar proteolytic activity hen placed in contact th substances against hich the The servecontained encypace were generated. diagnosis of pregnancy as evolved by Abderbalden is based o this phenomenon. In the period of placental formation cellular fragments from choriosic vill are throws int the material electricion with the conconstant formation of protective entypes (choriolysius) which in turn digest the

placental proteins. Drawn blood containing these enzymes digest extracorporcally placental proteins, breaking the complex forms down to the amino acid stage, hich through dialysis serves as a criterion

of the test. Employing the methods of Abderhalden with some modifications, laboratory work on humans, cows, dogs, and guines pigs was carried out. hundred and forty experiments yielded results cor roborating the results reported from Abderhalden a work. A more permanent and more easily handled preparation of placents as obtained by desicesting the coagulated placenta, by extracting repeatedly with cetone and drying in vacuo in an at with cetone and drying in vacuo in an at congulated placents in the sam cases gave accurate results. Despit th complex techniqu and many sources of error the method when carefully controlled appears i sufficient ment to prove i value in the differential dusmosts between pregnancy and the many simulating conditions.

You Ruck The Relative Value of Living or Dead Tubercle Bacilli and of their Endotesies in Sol tion in Active Immunication Against T berculosia, Mat. Rev. 9 Livrons, 507 By Surg., Gymen, & Obst.

Spoutaneous recovery in t berculosis is assumed to be due t the formation of specific protective bacteriolytic substances which can be demonstrated in the sera, but in many cases resorptso of bacullary prod ets is massive, overwhelming the organism and in others complicated by absorption of products f other pathogenic bacteria and the course of given case depends therefore largely on these two factors.

II, during the excessive resorption f bacillary prod ets, such serum is tested for ambotepeo. It is only that which is not bound to the free endot aims or bacilh which is demonstrable. The united antibodies and endotoxios are further red ed through the ferment action of complement and these reduction products are presumably taxic peptones whose elimination through the kidneys account for the toxicity of the urine in tuberculous. With the advent of sufficient drainage amelioration occurs coinciding with the disappearance of antigen in the blood, but often accompanied by excessive reab-sorption f endotoxins corresponding with the increased trasue disintegration.

For these reasons ctive immunication is not always necessary and t an inopportune time may do harm, while progressive cases receive t best but little benefit Relapses under any degree of immunity may be accounted for by the breaking down of caseous tirrae with renewed absorption of bacillary products, while in surgical tuberculous demon strable antibodies occur late if at all and are especially hable to be benefited by active immunication.

I considering the antigen for the production of active immunity it is agreed that it must represent all body substances of the bacterium. Many anti-

gens have been offered and the contradictory results following their use led many observers to believe that a true immunity against tuberculosis was impossible of attainment. The demonstration of antibodies by the complement of fixation test has greatly aided in solving this question. A sterile soluble vaccine if equally efficient is preferable to one of dead or living bacteria either for therapeutic or prophylactic purposes, because of the inaccuracy of the dose of the bucillary emulsion and the liability to local necrosis at the point of injection. The power to liberat endotoxins from the bodies of t bercle bacilli is conired very slowly in the normal lower animal and one has no right t infer it to be any greater in the non-tuberculous human when it is desired t give the antigen for prophylarti pur poses. Furthermore living tubercle bacilli f the human type have been found in the milk and flesh of vaccinated cattle three years after their intra venous administration and the danger of resumption f varalence is great the voeriments of many observers below quoted t show that avirulency by passage through animals is not permanent.

In discording prophylactic immunication against tuberculods by means of a non-living antigen in th form of pure endotoxing of t berele buelli. V Ruck attributes its value to the presence of Il necessary constituents of the organism. The results f the dministration of this vaccin in two series f cases are offered the first determined as long as fourteen months and the second only three me the after 0.0 a cases examined furteen months later all have made complete physical and chaical recovery after a single dose of varcine with one exception in which other than t berculous disease accounts for the ill-health. Of 66 cases showing glandular enlargement involving one to six groups there are now only seven which show enlarge ment, confined t one or t o groups. Subcutaneous inhercula tests, positive in all cases before treat ment, now are uniformly negative

The improvement in cases of the second series examined three months after vaccinatio is marked. Two are still inder treatment, ten are clinically well and the balance have physical signs limited to small areza. N glandular enlargement is demonstrable in forty cases which previously showed involvement of one to six groups.

Von Rock believes he has supplied sufficient evidence of the prophylactic value I his vaccine and summarizes it as follows

After ne full dose if vaccine all the specific antibodies can be demonstrated in every scrum after the fifth day and without diminution up to twenty months.

These sera esuae complete disintegration i wifes of the bodies of virulent tubercle bacilli to granules and free fat and is vive cause such complet destruction that no buelliary residue is demonstrable.

The sera destroy all virulence of the bacillary residue left over in the tubes used for bacteriolytic tests in vitr and immunized animals withstand the

tests i vire as do normal saimals when the immune serum is injected at the time the infection is made. 4. Animals can be immunized to like degree

4. Animals can be immunized to like degree their sera showing the same bacteriolytic action i was and in ritr and these nimals resist an infection many times more virulent than is necessary to kill controls.

5. I over so cases of early pulmonary tubercu loals a single full dose of vaccine was invariably f llowed by clinical cure. E. K. Assertance

BLOOD

Epstel F riber Studies on the Chemistry of Blood Serum. J Exp Hol., 9 3 274, 444 By Sorg Grace & Obse

East's has made chemic I analyses of the blood serron I wouse disease conductions, and has found that the proteins re subject t extensive variations, and i some conditions they following content is mark odly lacreased. I the present paper he remorts the benerations on three classes I water. All are localized renal affections III found that is the misor surprised access (conserved normal) the chemical composition of the serious green as it is as in proteins are converted with the result without the content of th

The cases of prostatic hypertroph, a theor withtentitual nephritis, show no change from themormal in the chara ter of the protein content nor the ratio which the advised infections heart of tandier. On the them had, the content of the tandier of the character of the content of the sounce of his horizontal terminal fortunations, sounce of his horizontal terminal fortunations, and deficiency of the kidney. It cause of localized deficiency of the kidneys, the harpers fine securnary to fold. There is moreous it the secunary to find the content of the content of the localized desirency.

TAKEN I' CHURCHELL.

Abderhalden Th. Detection of Foreign Schotteners I the Stood by Ballyal and Optical Methods and the Use of Soch Mithod and the Principles Underlying Them 1. Patholsey (Der Nacheris Indernater Sod mattrix den bejartererhalten und den beiter auf Schottener und den beiter auf Der Schottener und den beiter auf der Schottener d

By Zestrain Ltd grac Gratic a, Gebertain d. Usrangero.

A summary is presented of the views of Abderhalden on the reduction of foreign substances in the blood stream by protective feracents and the detection of the latter. S. batances partalen of as foodare so changed by the function of the gazaro-latestiand trust and liver cells that they become readily absorbed. The detection of the protective ferment permits of the conclusion of the preserve ferment permits of the conclusion of the preserve of these lowering substances. This proof may be rendered by the dislyris and the optical method. The protons which is the emproduce of the action of the serum containing the protective ferment on the foreign substance in the blood perments the dislysing capsule and thus may be detected in the outer fluid by the blairst eats or by stabipting. For the optical test protone is produced from the tissue the examined which shows a definite reflection in the polaritospe. The action of the ferment containing arms on this psychone changes the deflection. The

former method is the simpler one the second enables quantitative determination. Minute description of the methods and the different sources of error is preen. A practical test is dilagnosis of pregnancy is possible by the detection of the protective ferment in the pregnancy serum which act on the placental tissue. Further possibilities for the use of the method in the different problems of pathodogy may

be expected.

Schlosman What is the Prectical Surgical Val of Determining the Cong lability of the Blood (Watcher praisesters West kakes Blaterinaangelostionsungen (for die Chirarie)) Portoka ha Essen

Batteriosangebestimmunera (itr die Chirarie))
Descrite Art Kort 9.5.
By Zentrali I. d. pps Chir. n. i. Grensph.
II the determination of congulability is to have

any practical value a simple and at the same time, accurate pearant most be a silable. The surface thinks Borter is the best for the practitioner. The procedure is of diagnostic value in revealing cases of masked and partial hemophilist, here chinical symptoms are lacking though the contability of the blood underspeed. It has no value as

ishility of the blood is determed. It has no value as means of disformital diagnosis bett ere doobtel cases of hyper and hyperthyrotisms (Kochen) as asserted were persent, as found only in very marked cases of Basedow disease or myurdena. Determination of conquibility is very valuable sid in proposis here operations are performed in cases of chochenia They pire dost proposits, not only as it the general restrators of the cholerate practice, but also as the contract of the proposition of the cholerate of the contract of t

I lacrease it are notoriously executain m therefore. Some progress has been made in controlling hersombage by the local pipication of tissoe jellow which favor clotting. These dude representation than the man the proof of the human thyroid and from animal organs, present by the utbor' method, which renders them stable and sterile have been used with good results in kammorbage from operations on paraschymatom tissoe especially in cases where the congulability of the blood was defective.

Unora, in elecusion calls treation to the fact

that in experimental work I tert the influence of various substances on the congulatifily of the blood, it must be removed from the vein in such a way that it touches potting but the endotherium. Even the alightest dimitrate of tisme pieces must be carefully swided. The cought biffly of the blood is markedly increased by the addition of concentrated sain solutions. Xarmorters

Drugs Congulation of th Bleed and Its Value in Obstatrica and Gymecology (Die Kongulation der Bluten und fine Verwertung in Geburtsbille und Gynkkologie) Schuld' Jahri, Leips, 9, March, By Sarp, Gync. & Obst.

This is an enhancing resums of all the recent literature on the subject. After fully reviewing and discussing the various papers, the following conclusions are drawn

First, in discused conditions the congulation is much more frequently lengthened than shortened. Second, it is doubtful whether there is an iscreased congulation of the blood which is I patho-

logical importance to man.

Third, therefore all attempts to prevent thrombosis in the circulating blood b lowering the fibrin congulation shiftly are purposedess.

CLIPPOWD G GRUIDE

RLOOD AND LYMPH VESSELS

Plender The Vel of Skingraphy in the Disgonele of Ansurism of the Abdominal Acrts; Presentation of Case and Descriptive X Ray Flates. West M Ass. 9.3 ml, 9 By Surg., Gyact & Obst.

Piender says that silboogh vascular skiagraphy is very difficult as compared to that of bones at the present day with improved and perfected Rougers apparatus it is possible not only "to confirm disguois of aneutian but to establish possible media in fility early stages of such conditions in even extremely doubtful cases. Very Bitte skiagraphic with his been reported about bloominal aneutiam, probably because this form of aneutiam is less frequestly encountered than the theoried vertery and opening on the conditions of the conditions of the doubter of the

Any part of the abdominal acrts may be the sets of an ascuring but if most commonly occurs in the region of the creliac axis and is of the sacralat type, alter becoming fosiform. The condition is usually not disposed iffl it has progressed so far that a tumor can be seen and expandle pulsation clicited, and in many cases disposals is aerer made. The author therefore suggests that in an because symposium and the second supposed to the product, the part of the probably show exoders to be protect, the plat will probably show exoders to be product, the plat will probably show exoders to be product, the plat will probably show exoders to be product, the plat will probably show exoders as and yill directly also show that the plat will probably show exoders as and yill directly attention sately differential actions to be processed on the plat will probably show exoders and the plat will probably show exoders and the plat will probably also show that the plat will be probably a probably show exoders and the plat will be probably as a probably show the probably show the plat will be probably as a probably show exoders and the plat will be probably as a probably show that the plat will be probably as a probably show that the plat will be probably as a probably show the probably show the plat will be probably as a plat will be probably show the probably show the plat will be probably

The prognosis of aneurism of the abdominal aorta

is most unfavorable at present, the average course being 1s to so months. In 65 per cent of the cuses it terminates in supture. Surgical procedures are of little value.

Case report. Man, mulatt age 36. History negative. Wasserman negative. Hard worker Patient hurt his back in 1911 while doing beavy lift ing A dull pain developed and became so severe that patient was incapacitated. Pain radiated from back t both hips and caused weakness in lower extremitles. Relief was obtained by lying face down on a hard table. Lost 63 pounds in years and was treated for tuberculosis without benefit. On exami nation by Pfender patient presented a tumor about 6 cm, to left of last dorsal vertebra or first lumbar Ermansile polisation. Radiograph showed partial erosion of first lumbar vertebra and lateral deviation of the spinal axis to the right. Also showed a distlact shadow from the upper border of the 12th dorsal t the ad lumber vertebra and about 7 cm to left of the lumbar spine. Pain was terrific and constant and the course was steadily downward in spite of all treatment. BESTRAN M. BERTHEIN

Key Operation for Embolus of the Femoral Artery (Fall af opered embol i arteria femorala) Hypes Stockholm, o s. kryv 75 By Zentralld, i. d. gez. Chir n. i. Grezapch.

A forty-three-year-old man with a mitral stenoids of several years standing had been resting throughly well, but was endetedly attacked by pain in the abdomen, bloody districtors and receiting. A disposals of probable embolus or thrombosis of the meentricity vessels was made under general treat most the pathent improved, but twenty days later he soddenly began to have severe pain in the left populated space, also caldiness and lack of semantics in the left.

On a diagnosis of embolus of the femoral or popliteal artery, the patient was perated seven aours after the beginning of symptoms. Incisions made over the back of the foot and in the popleteal space demonstrated that the arteries were empty An incision was then made in the inguinal region, exposing the common superficial and deep femoral arteries. For a.5 cm. upwards from the bifurcatio of the common femoral artery resistance was felt, which, on incision, proved to be an embolus, completely filling the artery. The common and deep femoral arteries were clamped, but none were placed on the superficial femoral. After removing the embolm, a troublesome hemorrhage occurred from the collaterals through the enternal podic artery The incisions at first did not bleed, but now that the circulation was unimpeded they bled freely extremity was elevated after the operation. During the after treatment there was temporary paralysis of the peroneus muscles and thrombosis of the external perconal veins, with stricture of the gastrocnemius muscle, probably caused by a slight inchemic contracture.

Three cases of operation for embolus of the

peripheral arteries were found in the literature one successful and two failures. While it is a generally accepted opialon that the circulation in an extremity can be cut off by an ischemic bandage for two or three bours without injury from this case it appears that a complet occlusion can last for swran hours without necessitating ampuration. Guzzar.

Oppel Wieting's Operation and the Impeded Circulation (Die Wietingsche Operation und der radusierts Bisthreistad) Arms-Zrai, o p. rx. pp. By Zentralbi. L.d. gen. Chir. u. L. Gerageb.

The author states that Wieting's operation is successful only in cases of slowly progressing lacks: mic gangrene not complicated by either thrombophlebitis or phlegmon. Buer a speriments show that under increased pressure in the veins the resist ance of the valves can be overcome and that the blood stream can be reversed, but further experiments by the same antho show that even under rather high pressure only part of the blood can be forced through the capillaries int the arteries Bier explains this by the so called blood sense (Blutgeithi) that is, the selective power of the capillanes to allow only arterial blood to pass through It is therefore possible after Wieting a operation for the blood t overcome the pressure and empty trelfinto the arteries, though it must not be forgotten that Bier' experiments were per formed on Himb under constriction. If the extremity is not constricted, the blood will partially over come the resistance of the valves, but will return by way of the collateral veins without reaching the capillaries, as the experiments of Coenen and Wiewiorowsky go to show In spite of this. Wieting. and more recently Perimoff insist that the operation is followed by objective and subjective improve ment, though neither uthor can expiala his point multifactorily

The anthor agrees with Hesse that the Improvament is to be explained by the delayed return dr culation that is estimal by the slowing of the blood currents. The thor suggests the lightlen of the poplited vein, and considers this a palliative procedure claiming t have observed temporary improvement in all his cases except one. The disadvantage of the operation in the author's opinion is the decreased supply of arterial blood in the collateral vessels, whereas success can be attained only by raising the pressure in these vessels, a condition which can be produced in cases of gangrene of the foot by interfering with the venous return by ligation of the popliteal vein. The author considers the ligation of this vein pullfative mousers which is contra-indicated when there is thrombophicbitis or ordens of the extremity involved. If gangrene has set in and amputation is refused, this measure will relieve the pain tem-porarily even though the development of the process cannot be checked. If the gangrene has not developed, the function of the extremity may be tem Von Houre. porarily restored.

Warner and Von Zubraycki The Influence of Colloidal Silver on the Openic Index (Uber the Bertaffamung der Opsonic derch Diskingel). Hischen, mei Hoherch 9 3, ht. pl; By Zentzhil, i.d. pm. Gynth. R. Gebrish a.d. Gronneb.

Colloidal metal influences the opsonic index of serum toward various bacteria. This action does not depend upon the colloid antere of the substance but upon the metals. The behavior of the lexcocytes toward streptococci under the influence of colloidal allver was studied in man animal, and the test-tube. For the animal tests, rabbits were used. The vein of the ear was injected with an isotonic colloidal allver sol tion, o 5 gm. per kgm. body weight. The serum was collected before the injection as well as one hour and twenty four hours alterwards. A twenty-four bour bouillon culture of streptococci was dil ted 3. The leucocytes of the patient were washed three times in normal sult solution after the blood had been collected in a 1/2 per cent sodium citrat sol tion. The experiments showed that after twenty-four hours the phagocytosis is markedly raised but in the one-hour specimens this is not noticeable. For experiments on the human, two pregnant patients, two with poerperal fever and puerperal cases without fever were i lected with the ellver solution in the vena media cubiti. The results were the same as those in animals and there were no variations in the way the different peticuts reacted. In the alebrile cases pervous manifestations, increased blood pressure, cyanosu and frequent pulse preared all of which subsided in 5 minsten. Lastly experiments were carried on to atndy the nature of the action brought about by the solution to see whether it affected the phagocytic potency or whether the scrum was mainly affected. These resulted in the conclusion that the results were d a to the change in the serum. The opposit index of the leucocytes is raised only in the presence of and by means of serum HETWARD.

ELECTROLOGY

Grödel Four Years of Experiments with Rheigian Ray Apparatus with an Intercupter (nextiliar) and Carrain Important Modifications of the Apparatus (Vietnika) Endairmages ask notes brokedones (Mich Mcharol | Rangempparatus wid chigh wichigh Neverman an demolica). Minches. McMacle 9, 1z, 47; By Zantniki 4 of pa. Oyak. Colorith. 4. d. Grangeb

One disacterating of the Rotigm apparatus with molecurapies in that the interrupter very soon wears that and is difficult of manipulation. This fact left and is difficult of manipulation. This fact left is suffer to droot severally years it declaration of practical Rotigm my apparatus without an interrupter. If the interrupter I the interrupter I the interrupter is determined in the principle of transformed into paintain direct current (without closing the current) by means of secondary retification. The secondary energy can be very exactly measured. I make the paparatus economical for Very terminent, the phases of the current

M ne

hich not required to produce strady no il k crune light a new red t spec fly constructed east. The true tus thout iterrupter has also bee in d uit ble tor its hort fla h expoend marrased off took and the prest th terrupters it is githe method of thrupting the arrent. The necessed has its its old nid b and ting the rapally terrupted primary rent of the rule t mall peciall unstructed transformer thout tron enchance craps I d magnetus g be I produces vers hort see relary rrent high then on i cted t the large tra dorme the tro en los reped roll but I ery buth tension. The recibe provided by gle trok tempter is beref) as aluable as the population with errup under ert numit need to en-

Catin Treatmen of Malignant T more with Radio acti S betances / Behaviling solly or Lunoren su rath L en L norn Van des B Zentralbi i 1 me t bu (marer)

or this be use I be compliant of I uper too

tean pur he estit mesuchurum mit

thorrow \t me milth me had will the mess hore me will ill trail. the meso born as broaded to me of reach t pla pouls gla or mil 1 I the my bod folimu hing talt son \ tal mm rubber desc and mm lumin med teand non-lead mm Intplat pla 1 nd pupe re wit The see many ra manufung from the I min m plates hash we gette the fibre has ment early bed bed! Le er of to sheet of all paper or more contour let extitually not one. The k ilt j rmst he t tilir tion of the lira penetra g hard bet selg mma y t be use be soit \ nd beta til el booked

I to the sophages at nome special natro ment onstructed by (sa nol (zern 1 dd too t the prious action f the mesothers in on the t more lie ther noted at mulatio t onnect tusus prolfera son in ses f re-ophagus stenous by morns the spening the igest the in eased t such tent b bougeing ith the mosothorium so nd that even solid also ances ould be allowed The as folio 1 by an neruse 11th 1 1 th not only the

perficul nodules in the Lin drapper ed but Iso arcinoma nod les ode the skin up to the size of al us Mahgna t tumors. I the mouth and mucous membrane of the throat ere not suitable for mesothorium t eatment. Thorium-\() hangest product of mesothori m) is used in physiological

sait sol tion and is injected int the twiner int venous or by both methods I mjections

int the timor thorn m \ is sed in fill strength at terral faixt ightd pr ferally in divided doses I tra nou thon m injections re u ual i milured lil proper doses, i ho ed a good effect in umbe of tumors h h ould not thet se he fluenced I travenou injection the (bornum \ bould be sed onl in dil t solutions met raids (act vity evenily equals 000.000) in o ph lologorialt sol tion. On the dat of

jection the patient bould rema quiet possible add ring the ne (3 4 lay hould the mild large test ne may be computed in its possible it inoma of the test nal (ract a p t fp | erured silicie al thom m had turn not uge segt on at ord ing. Wence per trable in the form of pill it sed! Hered it the se spaces not pleas

made the thore m and la i po der the other beered hance mist times from noma ulter i bilih gra lat g ounds.

The hi tological hanges following thorium \ section have no poten thy ha gen flore those found by the use of mesothornum 1 200 nations suffering the tumors is here to ted the thorn moves the control of improvement of the temporary to the second control of the second the and first of radium. Bei se f the short time the part is had been they observe the ther peak of a purery of a uni-

by tress on the fact that mesother m ad then make tree time to do not replat the operat therapy less only pulcimentary to thile is unoper ble see the radius tive therapy is the only method while can be used LE

Freundenthal Radi m in Ald in the Treat ment of 31 ligns it Neoplasms. Julyand J. hare taxa, 80 By Surg Glace & Obst.

The thorbitelly disc set the use of radio-action and tances the forest cold era and Heridan es and feer report gun abort the history f radi to concludes after years. I sperience that It a underf I remed in cert in diseases I correctly

Pplied pathelioms of the kin is ne of them and the thor II thention t the lact that \ ray even though six essful the t extment are not thout danger and that radium in his hands is much t be preferred He eports a case of rode t ulcer (epitheboma) of the mg of the nose ad lip which had some from one physicia 1 another finally falling int the hands of burber he ca terized t canning perfection high percent ted plastic operation t close the defect. The maligna 1 growth, however ret raed, and mg of radi m 1 ,000,000 radio act ty as polied for twenty-four hours t hter reapplied for t hours, on tall the ulter rapidly bealed disa emaland so for fourteen mont be.

Twel e ther cases re-reported mong them no of sercome of the t wal. This a cured by radium applications ad remained so for at ears when a recurrence in olving the tissues beaeath the akin presented preliminary operation was advised but refused, ad the patient passed from under the

a thor beervation

I contrast to these cases the a thor reports many failures due be thinks, it the fart that so many of them were very late cases—some even in extremis. When the lymphate glands are is redwed a cure by radium is mpossible. Scrondly the early removal of diseased times and the immediat application of radium will lead to a far greater number of cures than by y other proceeding.

This immediat pplication the author believes to be the most important factor IL A. Porrs.

Aschoff Krönis and Gauss Th I spence on Deep-seated Corcinoma of X ad Radiuma Rays (Lar Irage de Benndischaften technogener Kreise durch sträklende Eserge) München sed Schwiele, 3, 3, 13, 337

By Zentralbi. I diges Chie i Grenogen.

The authors adertook t tody the influence of strong filtered Rontgen and rad um rays on deepseated carrinoma \ mber of cases in Kronig clinic which were tre ted by the rays were observed for a long time chanally and also the effects of the treatment were controlled by rathologist (Aschoff) p t the end by lustologic examinations in which not only the composition of the tumor tissue but he the effect of the rays (especially very high doses) ere noted for possible injunes of the rest of the pers two. The cases examined were an inonerable carcinoms of the stomach, the cervis and the mamma from which extense marroscopic nd merous sections ere made nd the results of property given I ddition tive other cases of inoperable carenoma of the portio and mamma which till being treated are being controlled histologically. The following are the result the reas V rayed there as not found in single case complet destruction of the caremoma theree but pronoun ed retrogression of the tumor ttained most markedly in caremoma of the stomach. At first this as of purely adenomatous character but post mortem only single nests of carendoma cells i a scarred ground abstance ere found I the ther cases following regression there was again growth but the carcinoma tissue changed its type t more ripened form of less

malignancy that is, soft pa ement epithileum our cinoms of the portio int horay type, t bular mamma carcinoma int a pavement celled An influence is seen on the metastases hich ere not directly \rayed. A growth in the sense of distant growth was not noted from bleb it is concluded that therapeutically it is not particularly necessary t 'Cray the met stases locally is to the injurious effects upon the rest of the body the fiver showed definite injury in two cases and the mucosa of the stomach sho ed changes lakeh probably were due to the t estment while the other organs arem t be able t stand very high doses ithout injury. The blood pacture remained normal with a single exception (translent lukopenia) The examinations showed the possibility of using Leays for deep cancer | Ithout injuring the overly ing skin, nd that these influenced the tumor markedly HARTER

Steuart Notes from the K ray Department of St. Sartholomew Hospital. Ink Kon. Ray ip 2 xvil, 4 z. By Sarg Gynec & Obst.

I experimently its metals as it there power of pring off excordary rays. It was food that metable after possessed that quality it such degree that it could be used it advoicing a na intensifying screen. Smooth aberts of allyer or aberts of copyer pated it has after a benefit of account or with the pater of the pate of the pater
Sunce this effect depends upons secondary radiation from the other rather than crime effect from such fluoriseding material as calcius tingcate, the trenhant detail in all the shadow of the plat is much better. The secondary rays produce ruch chemical action upon the plat is and ir a shile constitution of the plat is a superior of the plate of the plate is much better. The secondary rays produce ruch chemical action upon the plate and ire able to pean through such major obstructions as particles.

of dust. The plates obtained to therefore free from the granula trefacts ad dust that so gener ally seen I plates mad the the screens now in use. The degree of intensification is less than is given

by calcum tungstat hich reduces the time of exposure much more than the three or four times claimed for silver. The aliver acrees are therefore of greatest use in the rathography of subjects. here the utmost speed is not essential but great clearness and detail are required. Hours E Porrus.

GY NECOLOGY

UTERUS

Gary Cherio-epithelioma; Recurrence Three Years After; Invasion of the Spinal Canal; Villi in the Secondary Growths. Surg. Gync: & Obst 9 3, xvi, 35 By Surg. Gync: & Obst

The thor presents are of chorno epitheboma i which secondary ma identations of the disease occurred and terminated if tally three years (ter complet punhviterectom as performed)

The case was described to be optical four months after an incomplete botton during what him after an incomplete botton during what him he had been curreted. On eattrace the complained of pain and tumor man the left lower quadra of the belonce. It operation the terms as found in the critical and that kend tumor as present in the left broad ligament od in the left oranian verial. These tumors are or as such as the casely varied long-time of the present and casely varied long-time of the present and ancharged from the boarping root opening.

The patient was residentical to the boosted just three years after by previous operations this time complaining of put the bat k of days the conditions of the legs and involutions. This time describes of the legs and involutions. This time of the legs and involutions must be made described by the conditions of the legs and involved the property of
reased of the patient poon (for deed of etha too. Autops) also ed metast the nodules is accordant borio-spitheleona in the lungs indeen, diaphingsis dura matter spiral cord, pollumonary arteries or na and that easels and the thoral deet. The uthor made caref il microscopis study if these various lemons and found this is sections taken from thors the broad hapment the kift overain wor had in

the broad hyament the kft ovarian with ad inone metance from section from the pillars of the diaphragm. None, ho ever er found the lings, here Langham ells secured to predom mat

The utbot takes up the consideration of boropetiteleons as it is understood if day and quorereptiteleons as it is understood if day and quore-The true choro-epitheleons is elidefined area to reembling the epithelia covering of villas i the early stages of gestation of algorization, analy Langhain cells permeated and survoended ith vierturest, and plasmodize masses recembling, the syncytrial reads of will. A classification of the dileteral kinds of chooleans, after Marchand and different kinds of chooleans, after Marchand and are correlated to that the times proto terms medare correlated to that the times place has been also are correlated to that the times are so the stational chooleans.

It was thought best t classify this specimen as horio-adenoma, although exception may be taken

t this view a the ground that the integrity of the terme casity the extensive secondary gro th and the fatal outcome of the case are typical

Set the utbor discusses the minual conditions his case as contrasted t conditions found by other utbors namely the presence of villl in the secondary tumors recurrence a years after radical operation and metastasses in the spinal casal.

constitution that it is the further calling those to be fore-admonant a binding and tradenova. It represent what I've a terms promised maign ney for both the climical on bistological pecture is that of rather bender convoma. This bengind lasted for nearl three ears when malignancy pipes of as shown by the rate of the central terms and the property of the contrast it the earlier tumors g maker part constanting many languages are also the material forces, consequences the constant of the contrast of the con

Abel Electrical Code Lation in the Sorgical Treatment of Carteer Especially 1 Useful Cancer (the Elektrokuspislation better humpschen Behandlong des Lations, spisial des Gebarmatter Arther Amil Illukasie 9 1 1 201 By Zentrah (ed. 2017).

II must ender or t perfect the surgical methods t such degree that it ittences if possibly will not outur after ancer operations. If we sucreed i completely destroying the cancer thruge before it is removed from the body so that re enabled t orl in completely mining these ma then hope t least t old those recurrences but result from dissemunation of cancer cells d ring an opera tion Such omplet destruction of tissue may be trained by the use of electric congulation, disthermy rds g t \ gelachmidt and \ Zeynek A de l'orrest needle is used place of one of the lectrodes and the cautery needle replaces the Blood and lymph reacts become congulated nd closed unless hemorrhage takes place. The uthor operated vagmally in chinically (orable case by thus method no reaction occurr g The tusues ere destroyed ith the exception of small place in the f ridus, and gave the ppearance of having been cooked. In improvement I the technique is only ecessary to destroy all invaded tissue without leaving any remnants. Operating ccording t this method is not very easy but the operation need not be much lengthened by the disthermy I the reported cases t lasted to mintes. The thor requests urgeons ad gynecologistat test the method Scorem

10-10

00-60

7 è0-70

7 5

20

McDonald The Treatment of Fibroid Tumore: with Report of 700 Cases. in Med 9 3, dx. By Sury Oynee & Obst.

thor has prese ted series of 700 cases hich ha e been wo ked p microscopically. The cases have been studied from the point of view of age and its relation to cancerous changes and degenerations and the tables tell their own tale

TABULAR ANALYSIS OF AGE, COMPLICATIONS AND DEG KERATIONS OF 700 PIRROTO TUNORS TW . Change 47

I M I CANNOCC	. I I KREET		
	No		%
Single	38	34	
Multip!	46	66	
Small pt 4 m	57	36	
Medlum, 4 t 8 cm	200		8
Large above 8 m	34	33	5
Subscrous	36	0	5
Intersettual	φo	7	
Submucous	75		7
Combined	299	4	7
Table 2 Deservantures and	Malanatthe		

(A) Degenerations of Tumor

No

35

Hyuline	,
Calcareous	65
Cywtoc	20
Hemorrhagi	14
Necrotic	57
Adenomy ms	
(B) Amonated Ma	hguant Changes
	N
Adenocarunoma	30
Squamous carcinoma	6
Settoms	

Characeutheliams makenum

Tot I malernant hances

T E	1 ? Complice	diens of Tumors
		10
Oversen The		£3
Cysik an		4
Ourlan film	om,	8
Octation care	DOM:	
Salpingsto		0.1
	of necumends	ontina di

Take 1

Age	V	96	1ge 1	
20-3		7	50-60 02	
20-1	33	3 5	60-70	
40-50	33			
T Max Ratella of Ame to Decementions				

ign of P teest

(A) Veer		fE)	Squ men	Carcino
Age	7		Age	1
20-3	5		20-30	
30-40	7.7		30-1	
40-90	5		10-20	
50-60	9.3		50-60	3
6 0~`°0	90		60-70	4

(B)	Calcarcons Degeneration		Sercons
Age	%	Age	~
30-30	•	20-30	
30-40	•	30-10	
40-50	9 6	40-50	6
50-60		90-60	3
60-70	· 1	60-70	3 5
	Hyeline Degeneration		
ν,	- Jenses Tylkskining	(G) Churis	a princise ma
y are	7	Age	~
20-50		20-30	0
30-40	, ,	30-4	
40-50		40-50	06
50-60	5 6	50-00	
60-70	,	60-70	
(D) 4	denocarcinoma (H) T	etal Malign	et T week
Ago.	%	Age.	%
20-30	. ~	90-30	~
30-40		50-40	

36 63 0 5 A tooses Heart lemons t

A consideration of this table shows that the older patient the more danger from the abroid tumor The older the patient the greater probability there is of malignant changes and other dangerous deges eration, such as perrosis. This shows that the memoperate does not relieve the patient from deager from fibroids as from the hemograps. Other and more dangerous complications remain and increase i

40-50

60-00

degree with each succeeding , es The consideration, therefore of this series 1 fibroid tumors warrants the following conclusions The menoceuse does not bring raire to the contrary increasing age increases

the danger from these growths. There is httle danger of malignancy arbing in fibrolds before the fortisth year of the patient

after which time the danger increases with each YEST t. In view f the surcomatous changes, carefrom atous associations and other degenerations of uterme fibromyomas, early removal is indicated when they are of sufficient size t produce symptoms and cause the patients t seek advice. Small un-

complicated abroids in young women do not require early treatment. 4 Thorough pathologic examinatio should be made of all libroids for evidence of mallgnancy The tumor should be opened at the time foperatio

and examined for adenorarcment or surrous Particula study should be devoted t those tumors which are necrotic, cystic, or both as among these are found the largest proportion of maingnant changes.

5. In view of the large percentage of inflammatory changes in the Fallopia tubes and ppendly, these should be examined at the time of operation and removed. I diseased. Error Cut

Smith and Shaw Red Degeneration of Uteria Fibrom) omata Pre Rei See Med 0 1 1, 3 By Sury Gyner & Utoft

thor divides the terms fibrom omat of a red olor into t pathological la ses thrombotic and angiomatous II brief in their mi oscopical ppearance. The thrombosed timo erv soon commences t degene t nd makes threal medium f the groth frakroorganim companying the rat of tende rapidl enlarging tumors are bilominal pri

sed temper tur nd general ill he lih in imbust on the south rather work omatous t mor sho ! blood he us with a h mhers of this likelihood schant with no banal met me v ept hamorrhage ad terling of ght th petus R F (LWOR

Van der Hoesen. VI mmt. in Utense Heimor Thates (Mamman et Barre et Blechen.

By Ametralbifd at (the Geburn-h dit manage b I connection that the public ten f W table thorregard h spenses than mamma h h are much less to mable 1 it away from its birth oct fring omen bet eco 11 h had onl one good result in fou w of humor these of the man is be specific De vent pre limacteric bamoerhage the res lt er egat If had one permanent sur essent girl the et germon of he terms polise trenstruction nel dysmenotrages here cases of myomat he had no results total 3 cases thought for bleve rms gainst the consers t ndt H tr. t maligna t degeneration ment of myoma Bul al ye be rectuded and roug diagnoses re ers frequent thus rendering onsers t to certify doubtful If report us cases бив девя 1 practitioners and gypecologist, had dugnosed my mata At operation cyst oversa embryomete as found three times, or rian peer t see and intestinal carcinoma once. Three of these si ru tients, therefore m et be connidered as martyrs t

STR. TO

Paramoff Chinical Observations on th Action of Bisemosti in Uterine Harmorrhages Eliume he Brobacktong bber die Hurkong on Hesse sten ben Utermibigtunge | Frech Geo St Petersla

example onservation treatment

0 1 XX, 300 By Zentrafil f d pra Gyrack Gebartah d Grenzgeb

The remedy as used a forty cases I eleven cases I endomet to post-abors in the remedy proved perfectual three t mes these curettage produced emnants of the abortion. In a second endometritis hemorrhagica one negat ve result. as btained The harmorrhages decreased in two cases of myomat and cessed completely it size cases of salpingo-obphorits, three cases I park and perimetritis, one case I functional menorrhagia and one case of propert bortion. Other hemostatic

remedies eregiven ithout succes i som i these The fose ecomprepaid is at 3 tablets of our D ATDE em each

Rieck. Th. Therapy of M rked Menorrhagia (Zar Therapic ulerum-ig st rker menstrueller Blu-Deutsche med il & mir Q L tate 651. tungen! By Zentrathi (d ges Gyant Geburtsh d Creargels.

Mer m tronging the amoundrugs used t well as the trol usually severe menorrhagia amous m no urgi al procedures the author de senbes a operation but be call d fundation which decreases the menstrual for t marked to eter. The rian i action is not disturbed by this oper tion, making it method pplie ble at n ounger open Th oper too consit in de easing the bleeds g surface. The orpus uten is more ted mally so thit nit i two not one half in of uterine in our is left. The turn is not thout dank t th putient By to all technique peritoneal, trut tion is clim nated The loss of future hild bearing is druid a tag hab it make th method impre ticable The open from I low those sace of his b I rmerly don ad those a bich hyderect m

If other method had I led Carstena Distinguishes Cleaked M. J. Company of Joseph States

Ib author describes the different from menorah. In hidapatal on some it rane defet there does a obstructive t the os aflamm tion of the endometri mor mor metri mand f then or atroph. Their obstructions mechant I That time in back on the physics logic the proof on the amption and the local onlittons present. If recommends 6 grains of empt ne e dal gren for several months. Loc lly cierhot varies must be rem ed out t hes must recei prope surgical to too, and all outs he tipated T overcome flexions and t develop the terme muscles he employs did tatio. I th cervic 1 nal and the troductio of stem pessanes. Dilatation is performed under general anasthesia and should be employed only when the diseased condition is fuzzited to the terms. Finally be gives must descript on of the techniq e I the merito of th tem pessary. Its beneficent action induces the developme t of the uterine ercomes exist g flexions establishes normal and regula menatruations and cores sterility If the stem peasary sho tendency t drop out f ta place t may be ret ined by the use of Hodge presery. The stem pessery can be worn for years with impunity HENEY MURRITA

Tweedy Polypu Complicating I version of the literus and Hustrating the Difficulty of Diagnosis. J Ohn & Gym. Brat. Day 0.3 mill By Sarg., Gynec. & Obst.

T certy' case is the proceedings of the Royal Academy of Medicine in Ireland, December of

The patient was far dvanced in anarmia and shock. Sh was half witted and her condition so serious that the vaguna as kept plugged for eight days while ergot and stimulants were dministered. A round tumor was found protructing t ithin an inch of the vulva, which bled easily. The cerviz could not be felt. Under anesthesis and bi-manually the protruding mem was made out t be an inverted uterus pedunculated myoma. This tumor as removed and in so doing eyet was opened contain ing find under great tension. There as severe bleeding for time from the ound. The sterns was readily eplaced by pplication of three bullet forcers CARE CULERRETRON.

Frank Contra indications t Curetting. N Y

1/ / 93, cval,808 By Sorg., Gypec & Obst. ther bases his observations on some consecut 'e cases taken from his dispensary records in which areful not was mad I the number of curettings and the reasons for their performance Of these cases more that one patient out of every tive had been curetted a some time. He divides berrations under the following headings () abortio - induced ad spontaneous () post abortive nditions (1) post partum conditions (4) ectop gestatio (5) parametritis and adnexitis (6) so-called endometrates, including leucorrbora (7) menorrhagus and metrocrhagus. H comes t the following conclusions Curettage in class is hardly ever eccentry unless profuse bemorrhages, resisting usual treatment demand cure inter-ference. In the long ru more patient. Ill be saired bino saterference that by even th lightest curetting Post-abortive bleedings estably disappear adm non-operative treatm t In nost partum conditions, also curettage a never eccusary. If placental times are retained the should be removed manually Whenever the slightest shadow of doubt exists ectopic gestation, it becomes mper tive t oxi curetting and t wait further developments in does the and para metritus ith menorrhagus stretting is never d visable unless it is immediately follo ed by further operative ork on the dnexa Endometritis is rarely benefited b curett ge. It certainly does not improve leucorrhers which is usually of cervical ornel Sterility also ould not have been relieved by acrapang if the dilatation of the cervical canal had not preceded t. Ovarian disturbances play more important role in female sterility than suspected bnormal conditions of the sterus.

However in pre and post-climacteric hemo rhages, in menorrhagias and metrorrhagias, abratto is al) indicated for diagnostic purposes and the scrapings must be subjected to microscopic ex amination. The result will determine the character of further treatment The use of curett is rarely pecessary in abortio practically never after labor barmful in pelvic inflammation, fren fatal in ectopic gestation. The instrument is f value mainly for HARRY SCHOOLS diagnostic purposes

Wilcox The Undeveloped Anteffered Uterus and th Sterile Wernen. J Am. Int. Homes org. 883. By Surg Over. & Obst.

The uthor gives his views as to the cause result and treatment of the above condition. He bases his theory for the cause on an embryological factornam ly a developmental defect t the point where the cervix joins the fundes. This causes an angle t be formed t the function which results in. (1) more or less closed cervical canal | the internal or and, () a fundus shut off from its normal blood supply and atrophy

In considering the uterlu ligaments, Wilcox be lieves that the utero-sacral braments, if congenitally short, may by their attachments t the maction between the funder and cervix cause this scute antenerrica

The athor believes that treatment should be begun early when the young girl is just entering womenhood, and the symptoms are usually dysmenorthera, or membranous dysmenorthera. In treat ment, first the uterine canal must be opened up to retablish (ree drainage and straighten out the acute angle. The terms is next packed twice for periods of 43 hours. Then for months, dilated twice eek then for a months, every other eek. Next electronity and filmanual manage may be used t sumplate the growth of the uterus and the latter to stretch the tense haraments. The d ration of treatment should occupy about year

EDOURE CAR

Delle Chiale The Relaxation of the Gervix in the Surgical Treatment of Antefizien of the Uterus (Lo e polament commencale del collo nella curs characters dell'antifications attenues. Anti-stal. de grant 9 3, zvi. 39 By Zentrafild f. d. gra Gynak u. Gebertah. d. Grenngeb.

The utbor performs Poun at matoplastic procedure in antefiction and dysmenorthora twelve cases dysmenorrhora disappeared, stembty disappeared in two. The operation does not cuby the removal of the obstruction to the meastrual blood the uthor denying the methanical theory of dysinesorrhora but by improving the circulatory conditions in the cervex and thereby sho i the corpus, so that abnormal contraction and blocking during the premeastrual period is distimibed

Griffith A Discussion on Ventrofixation; Its Indications, with Analysis of 77 Cases. Frm Ray Sec Med. 93 to 57 By Surg., Gymcc. & Obst.

Griffith reports in detail seventy-seven cases of nterine firstion t the bdominal all, though five were really suspensions, four by the Gilliam method nd one by that of Bebater Illis method of fixation consists in passing two sall, orm get sat rea deeply int the anterior uterine wall, beginning just below the ttackment of the round bysments Both ends of each suture are brought through the pentoneum rectus, and anterior sheath t distance above the pubes, chosen in each case coording t the degree of prolapse f the uterus and laxity f the belominal walls. These sutures are buried in cloding the laparotom wound and have gi en no subsequent trouble. In cases seen, he has found dose and firm att chment without any fundal or other pedicle. Graffith considers this method an operation of choice netics of cases

Those in which the supports of the uterus are sufficient t maintain it at or nearly t, its proper level in the pelvis, but a which retroversion or retroflexio f the body f the terus and adjacent broad braments, leading t prolapse i th ovaries,

is the cause of serious discomfort The cases in which prolapse of the interna-

broad ligaments and overses a considerable, and is associated with varying degrees and forms of vaginal, vesical and rectal protresion. Caser Cutagernor

Glies The After Results of Operations for Utering Displacements. Proc Rey Soc Med 0 1. 02 By Surg Gynca & Obst. takes limit his reports t the after-results of

specific belominal operation, hysteropery By this term he means penther ventrofivation. obsolet nor ventro-suspension, rarely done, but rather an operation hereb the sutures are each tode f the incupon through the lasca and pentoneum and through the anterior wall of the uterus as low down as possible, leaving the fundus free t expand in the event of subsequent pregnancy H discusses the fter-results in five DEFECTEDOS

() Eighty per cent were better generally as well as locally I ten per cent more they ere improved locally tleast

() The bladder shows disturbance in the form of frequent muturition in some cases, but 71 out of 55 had no trouble a being orse off than before operation (i) Of the 5 cases under review 14 ere married

omen nder forty years of age. Of these twelve became pregnant Eight of these have been confixed all spontaneousl, but two, who were asked in the second stage by forceps. In this group there ha been no mincurrages though in former group not previously reported there were 6 abortions and 44 full term pregnancies out of 60 I another group of ten confinements following operation, all were spontaneous. As result of these observations, Giles claims that hysteropery causes oo complica tions during pregnancy or labor

(4) The effect of pregnancy on the results of the

operation above that of total 1 37 patients exam ined after total of 48 confinements at term, in but one as there partial return of the displacement. This is no greater (2.7 per cent) than in those cases not followed by pregnancy. One patient had had subsequent labors and another had had three. (5) The proportio of permanent cures is as

follows After retroversion in 1 cases, th uterus emained in good position, as partially displaced in three and seven gave a total fallure. After prelapse 56 cases remained cured, or oo per cent. After procidentle, in 50 cases the results were good, ne showed partial recurrence ad three were failures. In 341 cases, therefore 337 or 95-9 per cent, were successful four or 1 s per cent gave only or to per cent were imperfect results and CAMET CULBURATIO fallures.

Briggs Th Techniq a of Ventral Fixation of the Uterus and Allied Operations. Free Rey Sec Med., 9 3 vi, 76. By Surg., Gyrac. & Obst.

Braces emphasizes the importance of fixing the uterus to the parietal perit neum alone and that by the anterior uterine wall only He employe twated all and puts the lowest suture t the summit I the bladder the higher ones somewhat laterally so that broad area of the uterine wall is fixed. He agrees with Kustner that mobility with fixation is desirable, and favors this method because it effects minimum fatrain on its own products () rest and recuperation for the already weakened natural supports of the uteros (3) accurat anatomical djustments for post-operative pregnancy and labor The after histories (507 survivors, out f 600 operated upon, have been ystematically brained and recorded. The present estimat is that in 98 per cent of the cases the ventral fivatio permanently rectifies the retrofication. I large umber f cases fo because pregnancy natural labo has been the rule and easy forceps delivery the exception. I few cases, retrofieno recurred after labo and of the earlier cases also recurred where the technique had not yet been perfected. Finally the uthor emphasizes the importance of n adequat pelvic floor as platform of support considering this th primary security for y reasonable ventrofization. CARE LETERATION

Leonard Post-operative Results f Amputation f th Cervis Surg Gyers & Old 9 3, avi. 300 By Surg Gynes, & Obst.

An analysis f th post-operative results f the cases of amputation of the cervix performed in the Gynecological Chase of the J has Hopkins Hospital was ndertaken t determine the flicacy of the operatio as curative procedure and its effect if my upon the subsequent mantal history Complete post-operative reports were brained in 1 8 cases upo which th analysis is based

General Health The patients were divided into three groups according to operation and the effect on the general health tabulated

C

About o per cent f th entire series reported improvement i the general health.

Leucorthera Of the 8 cases, oo had leucor Sixty-eight cases reported hora bef re operatio curs (6 per cent) and in thirty-three cases there not t bulited

as noth ble dim tion the mount of the discharge (30 per ent) \ ne cases (8 per cent) were numproved in this respect

3 Menstrual Par. The patie is era dinded int three groups exords gt the oper tion. Cases has ng no pain either before or fire operation are

Group to the Levi and the Takape More Pain Mary Takape Common of the Com

Varif 60 ps. ent of the p speas not seed in the reduction of menerstral pair solliers goper to a bindust of the mental pair solliers goper to a bindustral to the speak of the

In 1 mean a joiled of frequent scritt ace of influence, the fourse frequent from the fourse frequent from bads hit if fig. grantees. Where operation there aim may had total or performed sea. The firm of the operation on the ourse of pregnance is the total on grible.

It ill is tell that the no lessor if premiture termination of prognance is more than doubled ift ope this

6 If Nova Of the 1 omes of the series he became prophie failer operation. I had halfer from the righth month to full term. A report from these set on he fabberer of the first hald free operation have that of the cases (65 per cent) experi need serious hetocu. The ther 4 cases had easy labor.

After imputation of diseased cervia, on per t of th putent show improvement in the gener I and toon ind disappear nee (60 per cent) or noticeable its rease (50 per cent) of stational harner hile over half notice marked decrease of

mentical pain

Four lifts of the orien in the child box ng
period remain sterile od hen pregunscy occurs,
there is not more that even chain, of its progressing 1 f II term. I the latter event serious
dystocia. Ill be encountered in the majority of

has need .

3. Amput turn of the cervir is the operation of chol in elderly omen but should be applied it those in the hild bearing period only when more conservative methods of treatment, such as II need innea contensation or Craig Thorough curet tage [The cervir, have falls].

De er A Near' Work I Hysterectomy in J. M. S. 9. 5 ct 4.0 By Sun Open. & Don.

The arrows conditions to hick operation was done or also in the following t ble:

Case-Mijs ma.

Missona it harroomatous degeneration Missons on the uterus (cerv. 3 bod. 6)

Carchinoma of the uterus (cerv. 3 bod. 6)

Carchinoma to the Jalloylan tole (primare)

Carcinoma of the uterus (cervi 8 bods 6)
Carcinoma of the Fallopian tube (primary)
Incomplet bortion
Cornual pregnancy
Stenous of the vagina
Prolapse of the uterus
Metrourhagia

Muccillaneous inflammatory conditions

1 be operations or complet in interestomy 3 trial bysterest in 4 typer agricult by treatment 4 typer agricult by treatment 5 typer agriculture 5 typer
From post morror intrinces that been boy that bout one tenth fall once have one or more of the tens varyage is use of symptoms to the tens varyage is use of symptoms to the tens varyage is use of symptoms to ten the do anter f consent the tention of those appear operation not disposed intermediate to be bettern in our ful time better introduced in the same of the second of the same of the second of the se

myom preduposes t corporeal ancer which umply, two is more frequent then certix involvement. The chief request for the removal of abrosds a presented in and not before the occurrence of a mptoms There should be no aiting for meno rause the am hope of the disappearance of samptoms. Meady enough is know of the faefficiency of the V-ray in the treatment of deepscated gro that discount the optimatic reports of some Rontpenologists. As to carcinoma frequency the their opinion is discouraging II egards operation here as of little more alor than t relies the mind of the patient hereas the blame I failure t cure ests on surgery. If states that practically the only cases of terine cancer that he call him t have cured are those operated upon before the discase had actually been demonstrated t be present. Lterme hemorrhage must continue t he regarded as danger signal and the difficulty in establishing this point of view comes from 1 sources () The distinction of many omen t secure advice upon the subject until the disturbance is marked and the charace if cancerous, far advanced () the failure f the physician t consider the serious aspect of utering hemotrhies until accordary symptoms ppear. The remedy lies in education and the profession is chiefly t fault. Eleven ateri in this series ere removed for urregular or severe bemourhage

where cance had not hrat been pro en ad where it had been suspected in several nly CARET CULBERTION

Outrom A Cradi Surure for Holding th Uterus in Ventro-S spension. hoth As J Honory
9 j. xxvn., 90
By Surg Gynec & Obst.

The thor describes here the method he uses in ventral respectato i the uterus. Th sutures be uses of in the long axis I the rectus muscles hen first introduced then transversely t their

fibers when tied.

W th the fundus held up in positio a heavy nee die threaded the fills orm gut is carned down through the rectus muscle three quarters of an inch from is menal border and after taking good bt in the terms a brought tagain in the same rectus one such higher up so that the two ends I the sutur he in the lo intudinal plane if the peritoneal open ing. The same procedure is followed on the opposit side and after the closure of the pertioneum the ulk orm-gut sutures to tied cross the ha f the closure thus forming a cradle-bk uterin suspen DOM.

the tates that in several years openence The with this method he has ever feeled t get perma pent fixation and that the burned suture material has never caused any incon enione even made its CDBurn

presence known

F thersill Clinical Demonstration of an Opera tion for Prolapsus Uterl Complicated by Hypertrophy of th Cerux. Best H J 93 4 70 By Surg Grace & Obst

The thor implement the objection t the classical operation, as it abortons the anterior varinal wall and the uterns is left in retroverted position which favors recurrence. His modification of the anterior colporrhaphy where there is considerable hypertrophy of the cervix consists in dilating the cersical canal and then making circula incisio

The vaginal all round the cervix 1th knil and bladder ar pushed back and the cervix is deeply shi laterally into anterior and posterior line. The cervix is amoutated and the bleeding controlled by sutures. The currular vaginal all is increed about an inch on either sid the new cuts going to the right and left. The anterior vaginal wall is separat

ed from the parametric turnes and the bladder and triangular portion with its apex near the urethral orlice is cut way I closing the incision, the first suture brings together the center of the posterior margin f the vaginal fectsion and the mucosa bulne the posterio wall of the cervical canal. The second nd third sotures unit the vaginal wall and cervical mucosa until the vaginal measion comes together in front f the cervical stump. The lateral edges of the vagnal wall to brought together in the middle of the interior vaginal wall by interrupted sutures from behind for a rd until the grethral end is reached. The operation is finally completed with the repair of the perforum. R. T Gilleone.

ADNETAL AND PERIUTERINE CONDITIONS

Gra es Influence 1 the Ovary as n Organ of Internal Secretion. Am J Obs., N Y 9 3 By Surg. Gynec. & Obst. hali, fuo Graves reviews the knowledge obtained by

various means to date and concludes

Anatomical evidence makes it probable but ot incontestable that the overy is an organ of internal secretion. Infantalism is not result of ovarian deficiency

but is local or general manifest tion of plasti constitutio in which the overy may

not share modentally

3 After sexual maturity the overy exercises trophic influence over the ther internal and external genital rgans. 4 There is evidence t show that the ovaries

presid ver menstruatio by an internal secretion which ha selective actio in the endometrium ad that bnormal bleeding may be due t hyper secretion f the ovaries. This evidence is not mes testable

5 Transplantatio f overnen tisene has not as yet proved t be of great practical talu in the surmeal treatment of gynecological pati ta.

6 (astratio of sexually mat re w men directly causes resomptor symptoms typided by bot flashes in 80% forests

7 Definit psychoneuroses are not directly caused by castration but such symptoms if present re due t ther causes that produce paychical or me tal pain or discomf rt.

8 Ovarian extract is invaluable in the treat ment of the vasomot dist rhances following custration Its value in the treatment f other gynecological condutto us problematical

\ SPEO HEATTY. Lauwers Metastatic Sercome f th Broad Lig-ament Associated with Fibromyoms of th Uteru (Sarcome à avétastages du Agament large associé à un shro-myome de l'utérus) Ball Acad, rev de mil de Bol 9 3. rmb N

By Joonnal de Chirerele.

and a multiparous of the state of the terus had also small node the size of a pea which was more ble beneath the skin and was situat ed in the midline in the epigastric region. Lausers excused this node first and then enucleated the uter ine fibroms. In doing this he found nodular tumor situated t the base of the left broad liga ment and not connected ith the sterm. By microscopic examination, this tumor ad the subcutaneous sodule were found t be similar. They were both spindle-cell acromas the nodule being metastatic growth The patient recovered and was apparently perfect health, but died three months later from multiple polymonary metastases. The interesting the g bout this case was the coexistence of large benign fibroid of the terms and small sarcoma the broad ligament which were different grounly and histologically and in no y connected. L M vrt.

McMorrow Some Old Privic I firmmatory
Discusses, Their Non-surgical Treatment; with
Report of Cases. J. Au. M. In. 9 5, Iv. 956. By Surg Gyarc. & Obst.

The thor discusses the use of massage in the treatm t facicited ages of chronic pelvic inflam matory disease and go es his results th this proed to in series for set II look teather his method is that adorsted by the general hospital in Vienna for the same jundition

With the inde and middle fingers of the left hand be teaches nd support the era by lifting it up. while with the right hand on th belomen be mayage the trus by series of gentle rot ry mo me t. These movements re-performed I

ьí time t the first tre tment ad if no lipsi sorene siolko in the next day or t he ontinue the same treatment to or three times eckl til the patie t is relieved of her ymp-t ms. Il t jes that even in patient the rigid below rul. He the post mor surf. of the uterus ma is ma saged ell nel retro creed term not

n greet resultion by gr dual stret hing of the non these band and lengthening of the t rowal lighment. Belt graw far tone is thus t libsh d. I. I. mproved exadation ad car lation like bue of ten hat the method in pola lik t w l hrome permetritis nd pa mul to but that pul ma sage is bestoted up ind t d in it infammators and tion ent pue offert me through ectops preg or thous an incan HAD.

port his seria. I se hiefly t bo be Н bron and two atts the diseased times m t th and how oft hey may be dnesu

rube ed by I to wage

1 the hor some I washe I teathat he has su edel rel to the sometimes of backs he nit general pel tenderness. So that he has been ble permane thy t establish normal mensioustion who have been troubled the reinf l Det period nel in malt more tof men rust disharm C I Hetin

EXTERNAL GENITALIA

dos o turr Bandler \aginsl hurgery By hung Grace & Obst. postenor olpoperment 1 terior olnotom

haph nd ginal bysterretomy thathe athor modute tions ad ill trations of sea redescribed II doe to I incruon for the purpose of com plet! separating the bladder from the ag nal Il ad ervi so that it is practically free er pt t the binents t the reters and rethra thu rendering the pelvic cavity more accessible If use the 1 nor colpotomy t perform vaginal fixation remove t bal gestations or moutal the terms how the error or t remon it entirely H narro the l men I the vaging by high col popermeorrhaphy ith resectio of most all f Il II then sert fevat posteno aginal

and murcle secture and fixes the piper part I the next made posterior vaginal || 1 the apper hor de f the newly nited levator ni muscles. If creets in the middle I the posterior vaginal wall transv me fascial and muscular all high id I Leeping the cervix up here it belongs. This is a eventual point in the permanent cure of prolapse

Bandle advocates the use of lamps in variant hysterect my under the following conditions hereser hast to desired or the aterna is very long nd broad bysment re retracted here the broad beaments are I filtrated free morcellemant arreg La area f terine timue e left tisched to the broad bytament or here the I fundibule-pelvic incament re bort. At the conclusio of the opera two the vaging is packed in ganze in such way as 1 surround the clamps and 1 prevent them from persol g gu et the ginal alls nel perincum. The lamps are supported by all straps of adginal alls nd perinenm. heart plaster trached t the thighs free the legs ha been extended. This also present them from pressing the external genitalia. The clamps re-removed t th rud of 10 t 48 hours athout dist the gifac p tent from ber bed II

Robb Examination of the Privic Organs in Doubt! I Lases Through V gins! Incision Circle of M. J. J. UI. 250

By Surg Gypec & Obst. The author refers to the difficulties encountered making correct diagnoses by bimanual coam nation Considering the dangers of an application

lanarotom be advises explorated through ruon the posterior vaginal is it and illustrates the orrectaes of his procedure is the histories and aginal explorations of h cases. If indications exist he immediately follows the ginal explorators

operation by laparotomy His enclusions to as follo If doubt exists

t the necessity of bidomizial operation ex plore the pelvis through thousand the posterior varinal forms. Many unnecessary belomical oper trops will be voided h this proced re, here as fren i mes marked inflammatory condition all he made out hich otherwise would have escaped our polic and likh ndicates necessary operation 3 Inother I tage is that dherent tructures can be sepa ted through postersor colpotomy thus doing wa the the occuracy of an abdominal operation altogether Havey Schotte.

Pitzgibbon Gonerrhoral Yaginitis Treated by Vaccine Mail Press & Coc. 9 L cabl. 383 By Surg., Grace & Obst

The athor reports six cases of gonorrhoxal yard to i hich he used accine treatment. Four cases cleared up materruptedly from the begin ing I treatment, the other t improved. but some relapsed one of these finally seemed per fectl cured the other is under treatment. If beheves that the best regults follow the use of vaccines from new cultures and that one should begin with dose of 4 or 5 million and increase t maxim m of million for adults—ori g smaller

doses for children. H is impressed with the results shown despects too tin it in future cases Great care as employed in establishing the diagnosis in each case

Lothrop An Operation for the Cure of Vaginal Hernin. Besses M & 5 J 9 3. drain 578 By Surg G wee, & Obst.

interesting case of vaginal The thor reports hernia ad gives the technique I his operation. The patient had t we bef re been operated f supposed rectocele. The hernia sac contained amail intestin

Technique | perelle The patient was placed in the Tredelenburg position and the bidomen opened median inculon the intestines then being packed w y thiong et gauze strips. The broad igaments ere divided close t the uterus, the ligaments nterror half f hich was removed down t the ervix the ut rine canal being acl ded in this excused portion. The broad legaments of emaining half of the uterus ere islued later t help pport t the floo f the pelvus pentoneum was at dissected from the haing i the se and deeper portion of the pelvis. A trans erse incipion was made t the lev l of the cervi and just behind t and continued in front across to either ade I the pelvis. The posterior edge of the peritoneum was then desected up and the stripping continued until the rectum and the floor f the pelvis ere exposed. The la vagual all was then posted dow out of the w A pelme floor as made by sururing a th chromicised catgut the broad ligament stretched bonsontally cross the pelvis and overlapped. The remaining half of the merus was tilted back over the ligaments, and its tw. free corners sutured t the pelvic fascia on either side of the rectum leaving just mom for passage of the rectain. The peritoneum was closed over this new floo and the abdomen closed. The the vagina was retroved as in excess f tissue the ordinary splitting operation for rectorele The patient was kept in bed four reks. From the result as seen three months ister the author behaves the vaginal herma is cured. C H D vis

Bulerd Larg Urethral Caronci in Ghi of Nine Years; A Preliminary Not with Sum mary of th S bleet. J in M Ass 9 p.h. By Serg Gypec, & Obst.

Buf rd reports the case of girl aged nine years bo was admitted to the hospital in May One year previously she had fallen down stairs while roller-skating. T days after the arcident the mother discovered that there had been bleeding about the vulva, and on examination found in the egon of the urethra mass about the size of the end f her thumb protrucing from the lable. Dunner this year the size of the tumor had not changed.

lthough it had been treated by a number of physic clans. A purulent discharge was always present but there as no itching and no discomfort tion. The tumor-base extended almost all ver the dreumference of the rethral canal and up into the rethra for about a quarter of inch. The surface as not eroded, and there was no tumor I the blad

der No pus could be expressed from the Skene or Bartholin glands. A purulent discharge from the urethra kept the parts moist. Vaginal amears were pegative for the gonococcus though they were found later. The tumor was excised well outsid. f its borders and the surrounding all drawn int the meates ad stitched ith borse-hair unto took place and there had been no recurrence up t N vember, o

The utbor efens to the complet bibliography of Williamson and After for the literat re on this subka

These tumors are covered by epithelium are usually bout the size of split pea, may be pedunculated or flat-based and are usually located on the lower half of the urethral rifice. They occur more frequently in mult parse and are rarely large in gula. Some cause pain of a severe nature, others are devold f sensatio

Their ethology is uncertain, though the retention of droolets f unne in the urethral canal with the resulting armiatio and tissue changes is probabl factor in their developement

The most satisfactory treatment f this condition as complet excuso well outside and below the t mor If they re not complet by removed they tend t recur C. D. HOLVIEL

RUGGELLANGOUS

The Ethology of Gynatresias (Zur Atsologie der Gynatremen) Bette a. Geberteb u. Gyeti Gyadi o s, min, 37 By Zentralbi i d pes G nal Gebortale d Greatment Partial atresias are congenital or quired. The

Kerma ner

nost natal causes have not been proven in merous nst nees. Kussmaul theory that an inflammatio of the vagina of tenne origi results in inflamma tory adhenous and obsteration is untenable. The belief that hymenial treals is congenital is tenable, but how is it t be explained? The author assumes that a some time during the fortal life certain cells undergo congulation necrosis as result of som chemical influence thus the part depending in those cells is retarded in its development. Either a stenoan atrena is seen, depending the grade of development of Mullerian ducts.

The size and character i the hematocolpos the thickening and irregular formation f its walls, all speak for an excessive growth of the internal genitals above the tresia. A hydrocolpus develops first and gradually changes into hematocolpos on account of the marked exfoliation and secretion of the hypertrophic mucous membrane. By adaptation t surroundings the development of large tumors can

occur witho t any clusted phenomenon. Attenda are fequently accompanied by hematosalping. It is almost always associated with treats of the about always associated with treats of the abouthat their online and dependent on perstoned difference. A genuine infection is not to be assumed returned to be dominated their contractions, and the size of the total polaritation peritositis. The writing time of the to be intown and high streak as explained as being the result of excessive growth of this organ with the formation of hydrographysis. Here,

Bell Genital F netions of the Ductiess Glands in the Fernsle Land Load 9 3 chron 509 By Surg, Gynce, & Obst.

This is the next of two lectures on the subject. The uthor behaves that should look upon all the ductiess glands as genital glands, as each is beolutely indispensable t the harmony of the genital functions. From his study I the overy in various ammala be dra the provisional conclusion that, if the corpus luteum be an rosa f internal secretio hich amists in the implant tio of the ovum the importance of t varies with differe t species ad probabl, I has more than one function. H mad careful at dy on cats f th flects of cophorect my on general metabolism. In study of the rin t as found that whill the specific gravity remained nearly the same after operation the calcium veretion was diminished by the chlorides ere alightly dinumished hile the phosphorous excretion total autrogen ad urea percentages ere much increased. This supports the belief that the ovaries take an active part in promoting the excretion of micrum especially in connectio with mensuration and explains why conhorert my may aid in the cure of osteomalacia The differences in the effects of cophorectomy in somen are bathinks duet the individual variation between the distinents (th internal secretion. Conhorectomy causes more marked reaction in rodents, than in ther mammals. In his cate he found the thymus larger fter cophorectomy than in the normal dult animal. If believes that the pitmtary body must be considered as se ergs and not two The flects of oophorectomy on the pituntary is mor or less temporary and in no y comparable with the genital lesions seen after partial removal f this gland. These effects are not comparable a th those found in pregnancy

Total overian insufficiency arouses increased etivity in most, if not all of the ther ductiess glands C II D vis

Bell Th Genital Functions of the Ductions Glands to the Fernal Larat, Loud, 9 3 dvxxiv 417 By Surg Gynec & Out

The tho has in this lecture considered the effect of removal of the amous ductiers glands, other than the overry on the remaining members, and the general metabolism in so is as it is directly related to the general functions.

H believes that rodents have less need of the thyroid than ther mammals, such as the carnivors, and that this is due in some measure t the variations in the structure and function f the other ductiess glands. His experiments on pregnant cats are in favo f the possibility that in the latter half of pregnancy the secretion of the fortal thyroid may be conveyed to the mother. He does not believe that the thyroid is in any y specifically connected with the production of eclampina. Thyroidectamy calls for response from the overy just as coping ectomy from the thyroid. The nature I this response brings forth evidence that the granulous cells of the Grashan follocle from a organ finternal secretion. The uterus atrophies t considerable ertest. Thyroidectomy stimulates the suprarenal cortex to excessive secretion, and this po doubt tends to produce calcium retention and to prevent excre tion. It causes an morease in the secretory activity of I parts I the pitultary body

of the parties the partitive posty been uncertainful the parties of the partitive parties of the the with Dais of Dick, above of that entrant of posterior labe produces powerful stretten contractions. The hervisions after partial remove at of the plaintary are very conducting and the study or the entire than the parties of the p

It peans that the thymns either inhibits the development of the varies (Biedl) or that their development follows the withdrawal of the thymns secretion. Little a known concerning the relation f the thymns to the general metabolams.

In most mammals of unpeter removal of the unprenals cause death in from a few born to few days but it the analizeral removal the utber obtained some utberreiting results with regard to metalolomin in to rabbits. In one, the care even times as great as before, and in the other it was altreen times as much. The phosphorus was much increased but not in the proportion one might have expected. The cross as locareaed out of the proportion of the difference but removes the special proportion. In the difference but removes the special grawings at study, if the printings body present a mode, that an attempt a made production, the special content of the production of the special production. In the special production of the special production is the special production of t

as codence of mucular trophy in the uterus. The vary as only concurred in the temporary function of reproducing the species, and, by its hormones, or internal services of beeding the metabolism of the body to fits purpose. When the reproducitive functions cease and the variest attophy t the menoquasis the harmony that previously active districts between the principal and the genuit mostibolism is temporarily deranged, not various distributions may ensue. And it is only by the careful investigation of each menoquosal case that on most of the temporarily the manner in hich

the balance has been poet some patients react to thyroid extract some t patients "there to combinations so great are the individual variations. In most cases nat rai resulpaiment takes place in the course of time." C. H. D. va.

Smith The Prognostic V 1 of the Leucocyt
Count in Peirle 8 pourative Conditions
Set Greec & Char 9 3 x1 403
By Surg, Gynec & Obet

The histories of one is refred unselected cases of pelvic suppurative conditions of various kinds ere tudied I all of these leacocyte con t had been mad as routine procedure pon the admis son of the nationt. These pre perative leurocyte out ere t h lated in thei relatio to the post operative progress of the patient as regards tempe t re pulse complications secondary operations and the like. The question is raised as t or not the lencocyt cou t f rms better basss for the establishment of prognous i an gr en case the does the temperature ad pain and the bl. Where the leucocyt count as high upon dimberion even though the temperature was low the patient was about have thrile to alescence nearly t is as frequently as when the pre-operative tem perat re as high but the hit count to same relation though somewhat less ma ked t times a sho a the development of other post operative complications—mortality rapid pulse secondary infections ad the IL. The conclusion is reached that I beaut us thus group of cases, the leucocyt count a f markedly more progrout val the ere the pre-operator temperatores

Alpert Reflex Pains on Pressure of Corline Pierus to Inflammations of Fernale Genitale Raffel toracto behinement buttoness to Drock of dea Pierus crota se bel entranditudes Drinnal sugender oblichen Genkherkungson) Zenbullt f Grand and Drock Pierus Genitalist (1998)

Cysek o 3, tax a 34

B Zentralis i d ges Cytosis. Geburtais. d Groungeb

Uport examined 500 omea. bom pressure

when the control of t

Diballoff Enlargement of th Liver During Menatrustica (vergrissering der Leber wihrend der Menatrustica) Frack Gas. 25. Petenda, 9 3. 24. 439

B Zentrulla i d ges Gynak u. Gebutak. d. Gerengeb.

The thor examined one hundred omen t d termine the size of the liver during and after

mentionatio and found an alargement by percussion varying from its and one half I four fingers breadths in mine cases, its fingers breadths in that's three cases, one in the half in even cases and no finger in thirty-serve cases. Pulpation cliented the same findings I eventy-three women, the liver was painful, in events-four it was senditive in three it was normal. The enlargement persisted its I three days liter creation of money. Between the mentitual percola the liter is so it points size.

Hirschberg Thigenol in Gynecological Trent ment (Des Thigenol in der gynakologischen Thempie) Beil Beitester 0 3 1 507 By Zentralbi i d ges Gynak Geburish d Grenageb.

Thegenol, compariso t ther sulphur prepara tions, has the dva tage f being odoriess and more easily absorbed by the skin and mucous membrane. ot soles supposed for tamponing using to per cent solution f th genol i glyrenne. The tam poor must be changed every ther day. I the meantim vagnati regations are ordered composed of tablespoonful f the bore sol tion in the liter of arm a ter. This end prules which dissolve easily the ginal secretal are especially useful tor the general practitioner. The preparation has sho beneticial results in cases, fould to no chrotic affammations i the pelvic co nect ve theme the adness and the pelvic peritoneum pas subsided the affammatory t melactio d creased the value was beerbed and dhenore f the pel organs gradually disappeared Tam pontrealment is vatra indicated in revent inflamma tions and purulent catarrias Ln. cu

Heimann X Ray Treatment in Gynecology (Die gynakologische Routen bringe) Houseliche f Geberth G) ath 9 5, xxvii, 1 5
By Zentrabl (d gra Gynal, Gebourgh, d Gerengels,

After short eview of the development of the

terstment in groceology from the simple method of Albert-Schouler; it is interior to raying for Albert-Schouler; it is interior to raying for the Freiburg clinic, minute description of the technique used in the Breils clini is preven Till apparation consists [a so cm. inductio coll only record interrupter with Rythment Either Middler a water coaled or Cundicach and cooled rubes are water coaled or Cundicach and cooled rubes are water coaled or Cundicach and cooled rubes are the about be determined every 4: 6 weeks. The time is a high the trube waves an erythmen must be found, measuring by either kendbick Schoulmad Ayur method. The tibe employed has

admeter of the interest in the food datance from the skin is the most of the food datance from the skin is the most of the skin is comedition of the skin is comedition of the skin is consect. For feeling are regularly cayed three on the anterio abdominal wall, middle, right is delt, and two on the back, right and left if the skin is considered and the one skin of every many data the skin is the skin

There is it real of eight day bet een the two series not us to three ceks iter the third series. The treatment regiven ubout regard to measure allow

I we uses of moma positive results as regard oligomerarchies and amteorrhiera cere obtained by disappearance of their most maked decrease us use of a seen in all. A average of so tuses as used to obtain oligomerorbrace on memorrhera and the time of treatment to most the one half there months to the one half there months to the one half the present results of the use the particular properties as up of teaching the contract of the order of the present results of the order order of the order of th

A far terment is the perfectived taugent least artifaction between the spingtons of the permat remembrance more observed that the superior of analysis and the perfect of the superior of analysis and the perfect of the superior of analysis and the perfect of the superior of analysis and the superior of
gunnated omen

main and have tene beener The use rhages hield lepoted on the age of the patient Thus it out belo 40 ears of age menorther and the relet binhment of normal men trusting, is old ned at t of long continued ra ng while omea bey 40 caraberome amence much hort me The grage amount of ra for he production of amenorrhom in the \ nd t | ndox obgomesorrhera the furmer t as 10 \ The duration of treatment is three month 1 urettement and nurro-cook examina in if he removed tosses regularly peer deathe \ tre time wo not to overlook orporul noma i C-WIT YESPEORS

or port of an air disk. Clearly Mandle the end of the control of t

Theilhaber The I fluence of the Sectal Pactor
Upon the Origin of Tumors for Lindow dor
written lage for 1 std ag on Gesch when a
Armski in Lage in oof
By Antralibl (d. ges. 0) sid. teleprish d. tenageb

The liatter discusses in this onto his ton the influence of the social position on the origin of the rost of all organs. However, by that part which interest the generologic especially as it concerns cancer of the reproductive organs, is considered here.

The pps ent fequence of trine cancer in

women married to restaurant keepers and butchers was observed from the cases i Theilhaber chaic and the death certificates of the city of Munich and the kingdom of Ravaria. The author xplains this fact as due t the I furious influence of kohol on the walls of the blood essels nd the blood circula tion I the former and t the large mon t of ment consumed in the latter. These facts, boxever re not conclusively proven. During the years 87 \$75 only one death from uterine cancer occurred t every ooo of population in the period quy quo, he eve t deaths occurred affe the mortal ty f cancer decreased alightly during the same period. Whether increase of cartinoma cases really occurred or berker it is only poarently on arrow t of the improvement in diagnosis ca not be stated definitely. Theilbaber ha grouped his cases of cance nil m oma of the terms ecording t the social position of his patle t. If discovered that myomata developed relatively frequently i was of financiers, ommercial men ma facturers high officials, physiename et sul carespormat relatively infreque tly I ha Throbaber son of the thor in conducting an investigation lasted on 203 cases of cancer of the uterus obtained from material i the bureau of Maturics of Barna rul it set of governa me t M mch, arrived t sum la conclusion The athor therefor disposes the hypothesis that en scal cancer (pproximat) so per cent of tenne cancers occur prim ril in the ervix) shows the opposit relation and that the frequency of sterior stromat is in direct relat to t the social at ading of the pairs t ll he wernamed from his own chaical material that the misch rarer corpus camer is fleorest in the althy ad that erystal cancer if it does or ur in the wors, classes, presis t much older age tha mongst the paster lasers and finally that the mes of but hers ord restaurant keepers re much more frequent! ffected ath cancer nd out rarely rth moons According to Theilhaber is bo by his on clusical material as Il as h the ecords of de th cert neates of the ty of M such there is greater frequency of mammary cancer the better utuated men than mongst the poor Theilhaber explains these facts as follow. The frequency of terms cancer in the proper classes is not depende t the greater non-ber of confinements in this section of population but ppon the fact that the better situated omen menticuat on verage five years longer tha the poorer omen. I the congested terms, myomata develop more freque thy bereas cancers develop I the poorly nourshed organ The better nituated omen suffer reost frequentl from cancer of the breast because they lace more tight! ad urse less frequently than the poorer omen. Freeza.

OBSTETRICS

PRECHARCY AND ITS COMPLICATIONS

Biologic Diagnosis of Pregnancy Entelborn (Zur beslogachen Dagmose der Schu ngerschaft) Musika med il kracke 9 s. lz. 587 Zmitrald f d gen Gynak Geburtah d Grenageb-

B Zentralbi f d ges Gynak

pregna cy re Engelhorn tested Abderhalde action a th the dulysis method and the inhydrin reaction. Technically the serum must be free I hemolysis Diffusio capsule No 50 must be tested for albumin and peptone. The placenta is extracted a th ten times the mon tof boiling ate until the boiled water does not gract the minhydrin The blood was always taken tar H The following tests were made each time () placents alone (2) pregnancy serum (3) pregnancy serum plus pla centa (4) serum f nonpregnant (5) thus serum plus placents.

Results farety pregna t somen forty nine ga positive and eleven negat results. Of forty-eight nonpregna t thirty one were positive and seventeen negative. Bendes plac tal timue ancer ovarian and liver insues are truted. Twelve prognant omen reacted t the cancer test ten times pourt els negatively Eleven nonpregnant and t m-n reacted eight times posit vely and three times negs torely among hom was one case of cancer. Three nonpregnant women reacted three times positivel and three pregnant wome once positively and t a exat vely with overse timese With fortal liver different results ere obtained. The thor concludes that Abderhalden dialysis method is not specific reaction, so that are not furtified basing

diagnosts on n SCRLINGER V n Tussenbrock Infl ence of Presingacy on th Death Rat of Tuberculosis in th N ther

lands. (In lord van Z angerickap op de Teber kulosesterite in Nederland) Viederi, Groom Ges

Statungsber o a Feb By Zentralbi f d ges Gynak Geburtah d Grennseb. Tussenbrock tabulates the Dut h material from 865 t 900 for four large ad t lve smaller cities ecording to the method of Weinberg I the fou large cities 43 of 8,340 poerperse (or 3.4 in each ten thousand) died while in the sixteen towns the deaths numbered 6 78 867 (or 3 8 in ea h ten thousand) The general death rate of t ber culous in the four large cities is 64 in 8 7.8 4 deaths or 26.40 per ,000, while the monthly death per ,oco. The monthly death rat in pregnancy and the puerperium on tuberculous may be ctive also after the first month. T prove

this the thor collected 200 cases of a men i Amsterdam who died from t berculous 7 of whom had children while oo were married and childless and 40 were single. Of these 74 died within one yes fter the last labo In other words 200 of 4 11 3 men died from t berculosis, or 28.6 per ,000 ad 74 of 64.37 recent mothers or 7 per o coo The tuberculosis mortality post partum is practically somewhat smaller than the general suberculosis mortality. This poare t contradiction t the fact that the tuberculosis mor tality is necreased the first month after labor is explained by a careful investigation from mo th to month from buch it follow that deaths occurred during the first half year (64.37 or 7.34 per 0,000) and only 63 during the second half year (63 m 64.37 or 9.79 pe 000)

The general mortality) 86 per 10 000) mounts to 43 per occ for ea h half year. The tuberculous mortality post part in therefore is much higher during the first and much lower during the second half year. The increased mortality during the first half year is evened up b the lowered mortalit, dur me the second half year. The same facts hold good for Imsterdam as Weinberg determined to Saxony

d t tigart. The first year post partum does not increase the t ber ulons mortality. The mortality from tuber loss in Amsterdam in the married (of 800 only on were childless) and the nmarried

es h 0,000 hving a sa follou

16 t 88 5 873 Sat 000 M reted 24 3 4 5 35 Lumarned 3 7 20 35 5

The decrease mortalit greater mong the the nmarried, at t be explained by social conditions, especially by the more of a orable conditions the where married omen come t her with tuber culous men. It also proves that the t berculouls mortality of women does not become more f prable after the menocause 5 DR 22

Sempson The Infl ence of Ectopic Presnancy on the Blood Supply of the Uterus, With Special Reference to Uterius Bleeding; Based on the Study of 25 Injected Uterl Associated With Ectopic Pregnancy T dm. Greec Au 2 3. Am. Gynec Am 9 3. By Surg Gynec & Obaz.

The thor stated that as a result of ectoosc pregnancy the uterus was enlarged, d mainly to hypersimia and thickening of the endometrium. The changes in the latter were similar t those found in the decidua vers of early uterine preg nancy and poarently due t arterial invasion from the terminal branches of the terms rtery. The vnous spaces I the endometrium were dilated and this dilated was most marked in the superficial portion of the compact layer and at its functio with the spongy layer. The termination of the pregnancy as followed by unvolution of the uterus.

The first step in the vol tion of the endometrium a seen n the greater filatation of the venous spaces, probably due t regress! changes in the stroms and powrently dependent upon diminuhed supply of arterial blood. The arteries were less evident during in alution of the terus. The dilatatio I the venous spaces was followed by the escape of venous blood in the tusties of the endometrum. If the superficial venous stasis I the compact layer gave way the blood would except int the uterine cavity without the formatio of decid I cast. On the other hand, if the venous spaces at the junctio of the compact and sponsy layer gu way the extravusatio f blood ould occur mainly between these two layers, and the compact laye would be expelled as decidual cast. In time the egressive hanges ceased ad were followed by reparetive process which as apparently dependent upon the resolution of the arte rul rapply of the endometrum. The invol tron following the terminatio of tubal pregnancy was very similar to that I llowing uterine pregnancy differing onl in degree

It his ast majority (cases of ectors, bergansey) the complet termination of the pregradory was gradual process from testing several days o sreeks—few weeks or more in severaters of the treats had been and majoritist solutions are also described in the state of the several days and involved the solution of the solutio

The uterior bleed g as of venous orthin from be venous pletus 1 the endometrion due t repressive changes in the latter apparently depending to the makes treat laupply. Moscular ins fine-new might also continued it this. The hereing on the classical supply and control of conceptions in the pressure, (product of conceptions in the hereing of the pressure, (product of conceptions in the hereing of the pressure of the hereing of the pressure of the hereing as the hereing submort plant of the term due; the

hortion. unt mplet teri I discussion, HARRIS said that to one who had performed good many operations for ectopic cest tuon, t be specific S it as interesting to have this unquestionable demonstration I the changes which occurred in the ateres. Of what practical use is the terms after operating upo patient to an ectopic gestation. According t. Smith and others the umber is exceedingly small, not more than four or five men after being operated fo ectops, gestation having given birth t children Possibly there ere four out of the 28 on bom he operated I thirteen I these the ectoric gestation as recurrent The only point which came t his mind now as bother is order t secure nly four or five fisherings in possibly a cases, we should save the uterus, not sacrificis mensionation, f the little interest in for re-ofsortion.

Sampson in closing the discussion, said in clove cases I the series, the terms as retained ben th opposit tube was examined, because the wome sahed to he we children. I every case he talke over the possibility of children before operating II had followed the f t re history of these elever cases five of them had not become pregnant, al though is t of them only a few months had elapsed since the operation. Two had borne children one t and the other ne, and the one who had one hild subsequently had tubal pregnancy in the opposite side. Three had had miscarriages, although y claumed they desired to be children. One had three miscarriages and the other two had one each. Another the sixth one, had tubal pregnancy in the opposit side making t cases of repeated tubal pregnancy in the eleven cases which t the tume of operation, the tube which as the seat of the second ectopic gestation was pparently nor mal, and hich was retained with the hope that the woms would have child subsequently. He had encountered two other cases of repeated ectopic pregnancy in which the first operation as done by another operator so that he did not know the conditio of the tube at that time. H was perfectly willing t preserve the tube and the possibility of f ture conception in every patient he desires t have children. On the ther hand, if he found th opposite t be was discused, and especially if a number I these women were lairly well advanced in years, that is 35 or 40 and had had their share of children, he thought we should every way make these patients just as well as we possibly could for the rest of their lives, and save them all future trou ble H could see very little use in leaving behind uterus which might have been the seat of inforums tory trouble or adhesions bout it as the result of operation if it was only going to came trouble

In regard t bleeding without pain all but one
of these patients gave history of terino bleeding t some time during the filness. In one case the bleeding preceded the pain for three or four weeks and he could not account f it except probably there was the beginning of the termination of pres nancy in which the bireding between the gestation sac and the wall of the tube was not sufficient t

give rise to any acrious symptoms.

In regard t prescrying the ovaries, in nearly every untance no ovary was prescreed.

Andrews Ectopic Pregnancy Occurring Twice in the Same P tient. Assistant M Ger., o 1 tentil, 3 By Surg Gyper & Obst.

The author reports case hich is of interest

because of it rarriy and the wholly different train of sympt ms. On the first occasion pain was moderat bemorthage rather free and const t

der ted 1 102.5° and distinct temperat swelling in the position of the t be Curetement released the symptoms, acloding the s elling The scraping sho ed hat preared grossly as placental debris Two eck later a sulden increase of pan nd lling took place nd the autho operated through the ragina. The man age tubal mole in the left sid

Ten years later he was called to see the patient gain. Her pain was intense and romiti g referred t the appendiced region, and toward the kidney, there no hemorrhage welling no rue of temperatur Even hen complet east of the discharged after an amenoribera of about 100 ten weeks, there was little bleeding. She had several ttacks I pai nd after nearly seven cells con sented t operation \ complet conception as found the pouch of Douglas. The right tube was extended across the back. I the terms, and is ambinated extremity beld quantity I place tal t sage. The patient mad amonth recovers after remot lof the t be and blood but Sh had ne

child nine ears before the best extopu C II D var

Chiese A Case f R pt red Very Early Primary Oraria Pretnancy Ednis M J 9 2 2 1 6 By Serg Lyon & Oten

The case here reported complete the the condi-tions had down by piegelberg and by Williams but only partially onforms t forms demand that the t be on the affected side shall not only be tact but shall be microscopecally free from endence if gesta tion Chiene did not remo the t he in his case as the patient condition did not arrant unnecessary en is too. The tube of the affected part of the

ovary ere in no y ennected The patient as 34 years old with entirely normal mensional history. Three days before admission to the Edinburgh Royal Jahrmany she had been suddenly seized the severe abdominal pain chiefly on the right side Vext day she took castor oil and felt better. On the fourth de the pain returned persisting after a enema, and diagnosis i ppendicitis as made. There as no names or committing and no chills temperat re on so pulse 120 small and feeble. The patient had had six hildren youngest to ad one half years old, but no mucarriages or previous pelvic trouble. The belomen as ababtly disturbed tender all over the ght ilia foesa, but no muscular (measure) righlity Vaginally the great tenderness made findings doubtful Rectally tenderness as marked and distin t fullness as licited in the pouch f Douglas Exploratory Engrotomy as performed and the pentonesi cavity as found to be full f blood, partly clotted partly fluid. The right a bewas normal but man the size of cherry as found protrading from the aterine end of the right vary on half meh y from the fimbriated end of the normal, as as the ppendix. The interest

as normal in size Serial sections I the involved end of the overy showed borionic villi present in the blood clot No embry was discovered and in no section did the villi encroach in the ovarian stroma. No corpus lateum no Juteril cells nor decidus were seets. In all probability the pregnancy was on of either ten or twenty days d ration.

CARPY CULBERTSON

By Surg Gypec, & Obst.

201

Soulded Eclampela; With Report of Three Very Unumal Cases K M J 0 1 25 10.

The a thor resses the recent theories egurding the cause of eclampaia didlecusses the various methods of testme t hich re employed. Il helieves in exercision but in the first case which he reports approfon of the media basilic i both arms only resulted in the occupa out of a or 6 drops of t ery blood. The patient died one bou later The blood pressure in this case as only a min he I h second case the blond pressure rose t a mm in Oct ber The brit week of December the blood pressur as 8 mm and induction (labor was ad red December 6 the patient could scarcely at and the blood presume was 3 mm Labor as now induced by the fallarge catheter. The child is ed and the mother is m pros g She had sever eclampus in her first programes and as bland f me th three reks pergraphs of an earned to be in correct real therefore. The third case he memorph he had a co-rubson. December 6. A theterused spect men of unner na ned no albume. Her blood persuare after con rulaiona, a only 5 mm. mm nd the the 1 day of mm. the Dent d v the lost the we fith left arm ad leg on the third da The cervi as dilated a th \ \ \ \ \ oorbees bug and premature child del cred by ervon liter a boors the man had blood pressure of \$5 mm. If re serum was given to al a prevention ! hemorrhore C II D via

N biola Gases of Atypical Eclampsia (Casos de eclampus atipica) Res d med 17 9 3, xxxil.

By Zentralbi (d ges Gyank Geborneb d Grenngeb. Three interesting atypical ses i eclampala

f llow () Eclamp-la hours after labor the nrine hich as normal 6 hours previous, ontained 156 per cent of all min There as slight ordems of the a Lies W thin is bours there ere six convol sion and from then on only traces f eclampila The patient recovered.

() Combination of epilepsy (hich dated from childhood ad was ggra ted d ring pregnancy) end eclampus during the second pregnancy Forced delivery tus f talls. The port-mort in examination showed localized focus in the brain, the result of former hemorrhage Unfortunately the natomical changes hich might be referable t the eclampus were not given

(3) Eclampaia with unusuall severe convolutions, resulting m death 8 hours after the first track and

pateral manner

during forced extraction. There was positively no trace of albumin in the urine three or four days before the attack. SCHOOL.

Bruce-Bays Pyelonephritis of Pregnancy Sa. African M I 9 3, zi, r6.

By Surg O nec. & Obst. Brace Baya discusses the etiology, diagnosis, prognosis and treatment of pyelonephritis of preg-nancy and illustrates the article with a case report. The diagnosis is based on the bacteriologic examination of the urine which usually show the hacillus coll to be the exciting agent. The bacilluris has a tendency t persust. If ordinary means of treat ment fall to give results un togenous vaccine prepared from the nary bacteria should be med. Finally the a thor mentions the fact that puerperal infections from pyelonephritis re uncommon. If pyrexia occurs during pregnancy the former being associated with pains lungs and balk, ne should think of the rosability of the presence I this discase. The induction of abortion or premature labor is never indicated, as correct treatment

mully permits the pregnancy t be terminated in Jacubi Pulmenary T berculouis of th Pregnant Woman. N Y St J M q 1, 1881, 41. By Sarga Gymn. & Otet.

LIDRRY SCHOOL

The uther uthers the prevention of conception and treatment of tuberculous women, and would prohibit marriage until the t berculosis is cured. If married he ould prevent conception by the use of the condom or of varinal injections of slightly add substances immediately after coltes. As pregnancy in t berculous woman is danger interruption has been recommended. earlier this is done the lower the mortality. If does not dvice the modern extensive operations, as for instance that recommended by Martin. The object f destroying the bucillus nest in the uterus could he ccomplished by the use of mira-uterine urigations of strong sol trons i arbolic acid or potassium perma ganat HEAR SCHOOLS.

m The I fi ence of Pregnancy Labor and Puerperi m on T herculosis (Ueler des E-sfess Kohn der Generationen organier uf die Lucierotuberkulose). Aire d Tabertal 0 L XXVI. 7 Gebertsh d Grennerb.

By Zentralbi f d ges Gynik The uther briefly reviews the literature of the subject for the last years and reports twenty-two cases in buch the effect of pregnancy, labor ad the puerperium on the course of tuberculosis as care-fully watched. I enriced cases no detrimental influence was demonstrated t some extent even an improvement was noticed. I seven cases a tendency towards wasting as observed during preg-nancy bet the more advanced processes were not also vs destinentally affected. Among the cases in which as unfavorable effect was noticeable, there were two in which the progressive character of the

tuberculosis did not manifest itself until nine to twelve months after the last confinement, so that the change for the wome could not positively be attributed to the effect of the pregnancy

These favorable results are of considerable in portance consider g the fact that the involvement of the lungs was no longer in its incinioncy. Although only small umber of cases is presented the anthor concludes that prevention of conception is hardly t he advocated in phthisical subjects, and the induction of abortion is not indicated. On the other hand nursing should be interdicted, and the acceptance of the tuberculous pregnant women in to sanitoriums is argently requested.

LABOR AND ITS COMPLICATIONS

A New Manipulation During Labor (Ela proce Handwiff ber Entbindungen). Zentralli, f.

Gyalk, 9 1 szerli, 4 s. By Zenirallii, I d. gen. Gyalk, n. Geburtik, n. d. Grenegek.

The author review the manipulation he had previously proposed because I the favorable results he obtained by this method in cases I protracted labor. The patient is placed on table (or transversely in bed) with the buttocks brought near the edge the legs are spread and flexed the obstetrician then places the three middle fingers of his right hand against the inner surface of the right tob. Schill and the three middle forgers of his left hand in the corresponding location of the left tub, lechu, thus the kands are crossed t the wrats. During labor paint the six fingers, by means of the leverage of the crossed hands mak firm pressure in the direction of the transverse diameter of the privis, slightly lifting and widening the privin thus making the passing of the brad caster

White The Contraction Ring as Canan of Dretocia with Description of Special and Removed by Hysterectomy During Labor Lencel, Lond., 19 3, cloudy, 602. By Surg. Gynec. & Obst.

The thor gives the following differential dag

nosis CONTRACTION BITG

A localized thickening of the wall of the uterus due t the contraction of the circula fibres over point of slight resistance, most frequently over depression i the child outline or below the present

lug part. a. The sterine wall t the alt of the contraction ring will therefor he thicker than it is either above or below

3. The all below is neither thinned nor distended. 4. The presenting part is not forefully driven int

the pelvis. t. The child may be holly or mainly above the contraction ring.

6. The body of the terms above contraction ring is usually relaxed and not tender

Round ligaments are not tense. 8. A contraction ring may occur in the first,

second, or third stage of labor o. A contraction ring does not vary in position as labor goes on.

10. A contraction ring is rarely felt on abdominal examination.

II The patient's general conditio is good.

12. Causation premature rupture of the membream intra-uterine manipulations

RETRACTION RING

The junction of the thinned lower terine segment with the thick retracted upper uterion segment,

The nierine wall above the retraction ring is much thicker than it is below

retraction ring is both The wall below

thinned and over-distended. 4 The presenting part is or has been jammed into the privis.

s. Part of the child must be below the retractio ring.

6. The body above a retraction ring is tonically contracted and hard

Round Spments mand out. 8. A retraction ring practically always occurs late in the second stage of labor

 A ctraction ring gradually rues as retraction of the upper sterine argment proceeds.

10. A retraction ring may frequently be felt per abdomes. The patient a general condition is bad.

Cametion betracted labor The ther discusses the causes and differential diagnosis. In the series of cases which he has at died excluding isparotomy cases, there is maternal mortality of 38% and a fortal of 63% In 19 cases, treated by laparotomy excluding on death from eclampais, the mortality is 31 5 and 42%. H gives the history of three cases which cam under his observation. H behaves that expectant treatment is useless and drugs of little value. Corarean acction is indicated where the ring is wholly below a living child, and it is preferable to embryotomy in the other cases if simple traction or manual chiatation fails and the child is alive. All extra-perit peal Casarean sections are contra indicated and in septi cases the operations indicated are Casarean section followed by hysterec tomy if the child is alive or excision of the grayed

sterus propened if the child is dead. C. H. Davis t A Illematome of th Abdominal Wall Developing During Labor (Ober ein moter der Gebort entstandenes Banchdeckenkernatorn). Zontraff. Crest By Zeneralbi, f d. gra. Gynak Gaburtali, a. d. Gymarch.

Stockel two cases are mentioned, these having developed through coughing spells during pregnancy and treated by incision and drainage. The author's case developed spontaneously during labor. This

scens t be the only case known. Some hours post partum the patient complained of severe pain above the symphysis. Palpation evenled two symmetrical sumors at the insertion of the recti. The whit line divided them and the tumors were probably in the rectus sheath. The size increased for three days, and then resolution began. The treatment instituted aided resorption. When the patient left the bospital on the twenty first day the tumor was still palpable. It disappeared four weeks later

The clickogy was obscure. There was no cough has or hemorrhagic diathesis. There had been no injection, intexication or transa. In the differ ential diagnosis, the only other condition to conalder in double-sided paravesicular bacess. It is of value to medical jurnorudence to know that such tumor may have a spontaneous growth.

Powers.

PURPPERIUM AND ITS COMPLICATIONS bons Th Etiology and Trustment of Piter peral Eclampsia. Bril. II / 915, l. 805. By Surg., Gyner, & Obst.

The author gives a review of the types and possi ble causes of eclampais. More than half of the paper h given to methods of treatment. His statistics are

of considerable interest. H draws the following conclusions

First, that in spite of all the labor which has been spent upon investigations, nothing can be definitely stated about the cause of the disease, although everything seems t point t poison carculating in the blood. Second, without any doubt, recent statistics show that the best treatment is that of rapidly emptying the uterus (by the safest means) after the first few convulsions. Third the greater the delay in carrying out this treatment after the onset of the first convulsion, the greater will be the danger to the woman and child. C.H. DAVIS

McDonald Poerparal Infection from the Gono-COCCUR. Am. Med., to 1, 202 77 By Surg. Cymer & Obst.

McDonald reports a case of gonococcus infection after childbath and he believes that this form of infection is much more common in maternity practice than is usually suspected. H found it present in ten per cent of cases of pumperal infection studied bacteriologically and believes that the percentage would, if carefully studied, amount tome third of all cases. The great difficulty up to the present tim has been in obtaining free cult ral growths of the organism.

In series of seventeen cases reported the organ ism was seldom found before the fifth day Of these eight had fever above F and tucke above too F Both McDonald and Gurd have found that the association of gonococcus and streptococcus increases the virulence of both organisms.

However, gonococtus postperal infection usually runs a mild course with a comparatively low grade

those where the vague pains over the likery with por in the orizon and gradual loss of weight and strength are present those with pyrars and marked frie in temperat re—these are usually cased of mixed infection those with sudden initial homaturis not, those presenting as the disk symptom result now slibout any symptoms—the closed tuberculous before or pyrocephronic cases and finally those cases in which perine-phritic beeres of unknown origina occurs.

The question of diagnosis and examination including cystoscopy and ureteral catheterization is

discussed

The Very is of little val nless the so-called putty kidney is present. The shadown throu obtained may sim late the presence of atom. Calcification of tuberrolous area in any portion of the kidneymay also simulate stone.

In regard i treatment, the autho believes that the non-operative method is policiable to but few cases. Il quotes the statistics of Wildhola, as which apparent cure only occurred in small proportion (§ 6 non-operation cases. The statistics of 1,00 nephrectonies collected by Israel above 11,00 nephrectonies collected by Israel above cuphanies the importance of miking a diagnosis before the ther todacy is involved and also above.

the great value of the operative treatment.

Finally the method of operation procedure high

he uses is detailed.

Algor Common Ocular Changes in Nephrida.

Post-Graduate 9 3, 270 in 33

By Surg., Grace & Otat.

The a thors at es that characteristic ocula symptoms are not in mustly present in nephritis. While Bright's disease is often hint discovered by the oculos larger inter of cases above no ocular agins haters. There chaines of symptoms representation of the properties of the propertie

g from general exhices. The commonest and most characteristic ocular smoom of nephratis is the so-called afoundment entero cititatis which may occur in patents inhititie or no sibami. I nephratis of pregnancy partial trophy and permanent damage it the macular repo may result from comparatively slight involvement. If kidneys, while total bindises is railis in a per cent of the cases. From all the results in a per cent of the cases. From all the severals were the case of the cases. The common several is not a constraint of the cases. The common several is the case of the cases. The common several is the case of the cases. The common several is the case of the cases. The case of the cases were all the case of the case o

Prognous as to visio depends upon the location of the Issions, as well as upon character and extent Those due t t nemis re most favorable. In other forms the appearance or reinfailt is the most consisous both as regards faion and lif From 60 t 80 per cent in long series of cases died within on year and the percentage of total bilindness was very large. Chronic nephrith, with remitting high blood pressure is probably predisposing cause of glacoma. The errors of vision due to mucular weakens are often refleved by rest and proper glasses.

Thos. C. Hallow

Underhills Intermittent Pyoria Due to Infection of the Prostatic Utricle. J 4m. M 1st., roll. it, oj. By Sang Gyaca & Obs.

Underhill reports two cases of infection of the prostatic tricio with intermittent tracks of pyurfa and calls attention t the importance of differentiating such cases from conditions higher p in the rinary tract which present the same phenomena. Both cases presented history of gonorrhors, one sax and the other eight years previous, and at arregular intervals for several years sho ed pus in the unne for several days. I one case these attacks were accompanied by frequency of nucturition, and in the other by a sense of I linear in the perineum, and an aching in the testicies, but by no frequency of mictuntion. On examination both cases sho ed normal conditions is the bladder ureters, prostat and vesicles. The urine draws from the creters and bladder was clear. The pro-tance and seminal fluids were normal. The put examined microscopically showed pas cells but no organisms. By the three glass test the arine as turbed, showing pus, in all three. Endoscopic examination of the posterior arrives showed the very-most trum t be swollen, ordenators, congested, and easily bleeding. The lips of the utricle were glord together and ben forced part by probe allowed the escape of pus. The utricle was emptied of to pus and per cent i aliver aftrat solution pubed daily for few days, its excellent results in one case and the formatio of adhesions of the utricular lips in the second. The pplication of ooo by formaldeby do completed the cure of the second case

The ther mentions Geraphy as having called iteration t recurring attacks of posteron treibmis as o if the results of infection of the postation of the case reported the interesting points are the intermittent at the of the recurring points are the intermittent at the of the recurring points are the intermittent at the other postation points are the intermittent at the other points are the intermittent at the other points are the intermittent at the other points are the points are the other points are the other points are the other points are the points are t

Caulk Unilateral Renal Hessasturia Cared by Polytic Injections of Advenation, Interal M J 19 3, 32, 343. By Surg Gyace, & Obst.

The thor states that, in costrudistinction to the prevailing ideas that bleeding may originate from nephritus which sho no choscal evidences of the disease, is has curred to the control evidence of the property injections of the manufacture of the property of the proper

analysis showed althouses and cause. By reason if the excellent results the author obtained in this receases he makes a strong plea for conservation in urging recal decaymilation as a method of real and warning the protessis against immediate ratical measurer is though the same of differcitions of dreasin be used first as a mean of differentation. In the troops are made polytically the lexicon repossible for the bleeding was unalouted edge in the recal polytic bit whether it was a most colly an erobison or pagilittic, he is not prepared

H is thoroughly convinced that many of the cases re due t nephritis but sho believes many of the cases are due t real pelvic lesions, and these should t first before any radical measures for the treatment of nephritis, such as decapmilation, are

undertaken.

It would be of interest if the 11thou would keep in close trutch with these cases to find out if any subsequent likefull g takes place and possibly later on find out the letion responsible for such a hernatura either by operative procedure or therefore.

C. R. O'Cooperative Company of the c

Fousier The Future of th Nephroctomized

Am J Urel., 9 3, iz 3.

By Surg Gynec & Obst.

The uthor raries the question

If it single kidney i ephrectomized person generally suffices it assure him of the urmary function during normal cooldinons of health, will it dithe same in certain physiologic co-ditions as pregnancy or in pathologic traces as in an infectious disease or even sitter a simple organic discurbance.

such as perative or accidental traums.

These points are considered under the following

heads

T T MICAL YD FUYCTIONAL MODIFIC TIONE

1 T MICAL YD FUYCTIONAL MODIFIC TIONE

These modifications cann t be indifferent t the future pathology of the remaining kidney First, the compensatory hypertrophy which is never want ing either in man nephreet mixed nimals. In this compensatory hypertrophy there is no formation of new glomeruli and t bules & t samply an increase in the 1 me of those pre-exists g. The process anulate. early stage of nephritus and consists probleratio f the parenchymatous elements greater extent that the tenstitual The modi-Acations in the secretions furine counst t first in a dim turn of the quantity the amount f lling from one half to ne third for the first three or four day then rapidly increasing and exceeding the normal There is present small trace of albumes. and, the sediment leucocytes, casts and renal epithelium. These cha ges the urine correspond to the anatomical lesions and show the presence of true parenchymatous and interstitial nephritis.

This neghritis is due to the action of toxic substances accumulating in the blood upon the suppressio of one kidney before the other can get into condition where it can take them off. The limitations if the infimumatory process are doubtlens due to the infimumatory process are doubtlens due to the relatively feelbe toxicity of the blood and the rapid restoration of the field of limitation of the incited bedriev. The foregoing occur experimentally and are also true clinically when nephrectomy is practiced for read trauma.

Are they equally applicable when this operation is undertaken for affection, acute or chronic, suppurative or no suppurative diathesic o non diathesic recurring later in the congress or else

attacking it t the same time as the first

Characteristics power that this is no A totic caphulis follows different disease of the kidneys by the no contrary the nephritis felan; operation on the contrary the nephritis clean up after the removal fibe diseased kidney provided the process has not advanced too far in the origination is not itself too mack for nexted. Just as in the well kidney the importance of the nexted of the second that is not be self-under the process has not higher than the contract of the second that is not a second to the diseased open thus defining the unitary secretion substitute field already prepared or work. This hypertrophy varies in different conditions in unemphases where there is gradual companious of the conduction of the conduction of the conduction. As epite this has the companion of th

I pyonephrons t betenlous and cancer it is alight.

Are the modifications observed in the remaining
kidney during the interval folloting nephreet my
permanent and does the kidney indennt by etain
this advantage so that I may assure the process of

ennary secretion in all its integrity?

There are but few histological studies f the remaining kidney recorded but these all show the increase i vol ms relates t the glandular rather than the interstitial these sho ing permanent and tru bivertrooph

Chemical and histologonal examination f the urbe as well as the amoust (normanial texts with methylene blue and other substances abow in majority of cases complete ret in frenal function. This is equally tru, when the nepheretomy has been performed for disease such as pronceptions, tuber culosis o lithius, as for conditions which d not affect the anatomical elements, as trumment, as transfer.

But this is not always the result and in a family large umber of subject so can find for me y years persistent urfart troubles both quantitaty and qualitative, these issions being less the result of the tools nephritis than of the lessons at in which the kiddery was their fletted in the time intervention. The age and intensit if these changes rapidal their persistence but except i those cases where the original disease ttacks in turn the remaining kidney they tend to remail unchanged. Clineal observation sho a, despite these alterations in the unuse indicating a kidney lesion that perheretomized person can live for years without any gravation of these conditions and any even overcome various diseases—with his restinance is

undoubtedly diminished.

Thus from the study of the kidney function apphrecionneed patients are divided int t groups.

() There who entirely recover their physiologic faction and (s) those he retail more or less definite dury thances of these functions.

The latter are in the minority

II A UT F THE STYLE KIDNEY FROM THE FORF F VIEW OF PUBLISCATIO. F THE REPORT IN THE ABSOUR PRINTOLOGIC AND F THOLOGIC COUDITIONS.

Resultance of the single hid on to minimize and affections. There are many tent one hich shows the tendes the remaining kkiney hadly decayed applications at ad faffertions on the

whole cry cll.

Effects of suchrecisomy on the proceed health and
on the development of the untrivial I suppair we become such and change perpher tomy,
by removing the source of sepas and permitting the
remaining hadrent recorporat it functions restoring
remental astimition and resules citaal resourcerison in
the weeks. The indigent, if epherectomy on the
development if the individual been performed in
adolesc per or india y seement be all as a territed

by various reported uses.

Preparate complication follow g outcoment
next ng brephrectoury neems t have no effect
the development of pregnancy and many normal

cases are reported, not only single but viacross
at the national lost bowerer gives no information
at the national lost forces and the set of the ket
to still be not supported by the support of the ket
When there is present the slight nephritize lesions
already referred t there is authoritied in our danger particularly if some lattercurrent fection add
its some t those of perspiratory.

Abunual and sepire labors would indoubtedly offer consulerable danger in omen in one kadae, but this is theoretical as note such are recorded. National as as more interfered in by nephrectomy

tha is pregnancy

Tre me Operation (numbers Traums in the exception of the solden death of septime tomized patient doe c accident there has instances to determine the resistance of such and individual 1 ordent it is arguable that is ease of severe shock due t lacerated wounds or burns, the already gave proposeds ould be gravated

There he a large miber of observations which prove that ever the most fermous suprisol operations can be successfully performed on patients possessing but one kidney booth operations about only be undertaken after one is warred. The proper in those of the kidney but due care is to be observed dwring the operation of it subsequent directlings.

an regards the employment of any antheptic whose absorption might cause renal irritation.

Ameribeda individuals pomening but one kid ney can be submitted t annuthetic inhalation without danger, due regard being had for the functional bility of the kidney.

Hedot The Tech low and Results of Lateral (Paraperitonesi) rephrectony Am. J. Ural 9 3. 25. 77 By Sug. Gyme, & Ohs.

Lateral pephrectory is considered t be better than the terior transpersioned operation because the peritodeal cavity is not operate because it is easier t peak the entire peritodeal sax toward the median lateral has been as the peritodeal cavity in each of the control to median lateral has been as the control to the court of the

slight impulse on coughing. Operative technique. The patient has on his back lightly turned toward the healthy side a sand has being placed beneath the affected side so as t throw the fo er portion of the thors forward. The uncrion tart if the noise here the autorior axillars line crosses the costal margin and is carried down and and forward t a point bout one inch In front of the anterior appearer were of the libra-The external oblique is split in the direction of its fibres the internal muscles are cut across. If more room be required the mesual portion of the external The peritoneum oblique may be cut transversely. is thes stripped forward and long retractor ta screed t spose the renal region. The fatty cansale of the Lubsey is then opened and the orga freed under guidance of the eye additional retractors being smerted t elevat the costal arch and lit the median line of up the peritoneum as lar the body. The method is particularly policable to cases complicated by dense adhenous. Drainage is established through a secondary ound in the hole. The muscles are sutured in tw layers wh

Interrupted sutures of heavy calget.

Healing is mostly rapid, even in infected cases.

R. W. Moonman.

Rellock Ligature of the Renal Artery and Vein us. R believe for Nephroctomy. Fron Rey Sec. Med. 19, 3, 41, 76. By Surg. Gymec & Obst.

The thor's itention was called t ligation of the renal venicle as a substitut for aephreciony by the report of a case of to bereithers of the kidney operated pon by this method by an Indian surgous. The method ppealed to him as a susciol one and harderofungly adopted it as case of pycorephrosis det renal calculus with a resal sinus in the ioin. The iddney had previously been incised, an abscess opened which continued to discharge through the persistent lumber at us. As the patient was in poor condition, Kellock explored the wound, found the calculus the size of them eng which he removed, and its works later ligationed the renal

reseafs through bedominal roote.

In ten days the urine had become much clearer
the patient had improved, and there was very fittle
discharge from the sims. After alme week with
dinns was again explored and several frable marses
of bidney than came way. The sound has
healed, and the patient recovered his bealth. The
author discusses the technique of ligature by the
abdominal roote, and points ut that on the right
side the veesle are more difficult to reach since the

them. In the discussion of the paper Swan said that he felt it would be a seefal method in case of renal sinus in the belos, but he did not believe it would beek superation of the theoretic has been been about the control of the co

head of the pancress and the duodenum overlie

Guiterna Some Aspects of Renal Surgery Cened Fred. & Res. 9 3 xxxvif., 9 By Surg., Gynec. & Otes.

This article is the report of an illustrated lecture given by Guiteras. It consists chiefly of references to cases in his own expension, with few general observations on the conditions thus illustrated. The lecturer consider first developmental aroun

alles of the kkineys, such as unflateral symmetrical and homeshoe kkiney and variations in the position of the organ. He spoaks also f cases of hydrosephrosis, rupture of the kidney sephrolithiast, crask and polycystic kidney and renal tumor

Two cases of unusual interest which he mentions concern the rupture of pronephrotic kidney containing calculi, and hydatid cysts 1 th kidney Groecz G Serra.

Lloyd Is Decapeulation of the Kidneys for Chronic Bright' Disease Justifiabl ? Pest-Grafacts, 9 1, xxviii, 132. By Surg Gynec & Obst.

Basing his becrution upon the record f access previously reported by Edebohk, and g cases reported by himself total of which 4 cases were cured and have resulted with, the author concludes that the operation is justifiable. In addition t the 4 cases cured, 55 others were supported. All of the cases referred to had resisted carried and actioning medical treatment. Few f them had received post-operative treatment of any hid, improvement bring due solely to effects of resul decapsulation. The mortality of the operation was slightly bower per cent.

The other believes that the immediate good offers are due to the manage of the bidneys and offers and congestion afforded by the direct abstraction f more or less blood from the organ during operation. I all cases that are steadily progressing in spits of rational medical treatment, operation is advised. Trace C. Ricciawax

Baright M thod of Classification, Diagnosis and Therapy of Kidney Diagnorers, Based on Functional Testing. Med Rs., 9 J. hurifl, 699. By Surg., Oyner, & Oise.

The author gives history of kidney disorders from the time of Bright (836) up to the present. He ates the different theories including the modern view This is as follows. The prinary water and crystaloids are separated from the blood serum in simple process f infiltratio the glomerulus by which is dependent upon the blood pressure and chemical compositso of the serum, in the t bule the primary unne is concentrated by water reabsorptio and at that time is enriched by the addition f certain organic and inorganic constituents. He discusses the normal function of the kidney and divides it into three processes simple filtration, osmosis and ynthesis. H discusses the diagnosis of droppical and no -droppical uremic nephritis as well as the method of producing experimental nephritis by the dministration such as cantharides. corrogive sublimate etc. He prepared schematic outline for the classification, diagnosis and therapy f kidney disorders from his experience and knowl edge of the kidney. The articl is very exhaustive. T RAMOA

Branach Recent Progress in Ursteropyelography
J Mach St. M. Sec., 9 3, xR, 159
By Surg. Gynec. & Obst.

U eteropyelography has been employed in the Mayo Clinic in the treatment of more than ,000 patients without fatality or permanent injury. The following technical precautions are to be employed () Colloidal silver crystals are t be carefully ground in mortar and then filtered () solution to be warmed and not boiled, (3) solution to be injected by gravity method (4) large ureteral catheter should be used. Contra indications f r its use are (a) in markedly hypersensitive (adividuals (b) with ursteral obstruction which will not permit the pelvis f the kidney to drain after the colloidal injection, as with large hydronephrosis (c) in any conditio which can be definitely diagnosed without ureteropyelography When the ureter appears kinked in the erect pyelogram or when the preter assumes an anomalous course after leaving the pelvis there is no objective indication for operation unless a dilutation of the pelvis or ureter can be demonstrated above it. It is often difficult and occasionally impossible to distinguish between the outline of small hydronephronic (ro to 50 cc.) and that of large normal pelvis. Small hydronephrones must be completely distended in order t be recog-



Fig. (Provest and Bureau) Preparation of the superior end. The sectle, having its ex-ed the all of the tretter from within out at distance from the cut edge, is returned from without, us, close to the cut edge.

nired. C role required 1 fully distend the writer in order 1 demonstrate distance. Case and onyper as injecting mediums instead of collabel after have not proved personal in the a thor expression of the shadow of the peirus injected with are as the tax caused by gas in the discalege to readers interpretation uncertain. Lack of detail in distanced pelvo ouths in the discalege to the discarding the continue and the discarding the continue and the discarding the distance of the discarding the discar

Present and Buquet Technique of Circular
Uniterorraphy (Technique de l'acterorraphie circulare)

1 de chr. 0 a.E. 7

By Surg., Gyrac & Obst.

The indications for canalar unrenormals at the Protest and Boquet, it almost exclusively framshed by cases of vol starr or involuntary section of the unreter in the course of operative procedure. I general a y the codit can disture of the those is accomplished by no of the fillowing methods. Direct suit or suture point conductor absolutely indicative by



Fig. (Proust and Buquet Preparation of seperated Tension upon the opposit make of the surges causes eventure of the muctus naturable.

invagination. After comprehensive retrieve of the hierarians, with comments poor the treating of the exponents of these three methods the urbon-dachning organitily for their views lesse here operation on these! I diamental points various too (fire Pogr) eversion of the motors of the represented faiter Ricard) and the folding of the inferior end (sifter Pogr).

First step. Preparation of the supersor end of the enter, events not the intronse. When t many the net edge smooth (the the action the meroa, is required at four repuddants to points by fine mothers are proposed as the process of the meroa, is required to the continuous with the non-toolhed from the overlang insides with the non-toolhed from the overlang insides with the non-toolhed students can be result accomplished one students indicated as the paradel rate in larger between the forcets colding the all and if When the evention presents some difficult is a hazation as accomplished by special manneture. A number occult of the present in the contract of the present in the

from this out about one centimeter from the cut edge. This same need! is returned through the all from thout in, very near the free edge (Fig.). The proced re is repeated in the remaining three

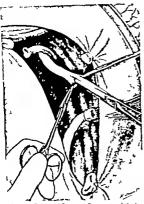


Fig. 3. (Proset and Buquet.) Preparation of the inferior end. Longitudinal location.

spaces between the guid forceps. The event the mucosal equal traction is made all threads the four high emerge searce the cut edge for pulled up to fit the kidney the others down (Fig.)

Second tep Preparation of the internet end. In order 1 percent compression of the invarianting superior extremity the upper end of the aftence extremity a lidated by gently expansing the blades I find entry incrept introduced int. the lumentorpher on the cut object such the unrest disvoked longitud failly better them for esstimeter (Fig. 3).

Third step 1 againston This is complished by means of the four six is in the superior and Each and of each a time is threaded on cambride needle. That tenerging extremally (the ma likely express the everted in coast) as introduced into the internal of the interference of the interior cent and spectrus the all from within out about its continueters from the margin attenuence of iterating the markets merger in central (the markets merger in the margin it is the markets of the markets



Fig 4 (Proest and Buquet) Read for invegination. Introduction and fination of the posterior and laternal gode structs.

external and finally the antenor. To complete the invagination, the eight ends are carefully paired graitly drawn until slight resistance is met each pai teel and the loose ends cut (Fig. 3).

f the f rior end. Fourth step. Th unversion Near each border of the fongstodinal cut at equal distance from it extremitles, single bort stitch is taken ath fine catent. Drawing upon the loose ends of these at tohe, causes the center of the flanends t b lee and the ends re easily t med in his means of the grooved director (Fig. 6). The in e. son a completed for the entire circumference and is held to place in the following manner. The inner end of each guide suture is threaded on a time curved need! with which man! statch as taken in the wall of the superior end of the oreter care being taken not to enter ta lumen. Tw. similar utures are taken posteriorly and tied Before tying the t terror stitch is taken the free borders of the order to close this cut nd longitudinai mekso at the same time t assure the prosition f the inverted wall (Fig 7) It is equally important t note that the approximating sutures should not be i the same longitudinal axis as the sutures of invaginatio but should alternat regularly lith them (Fig 8)

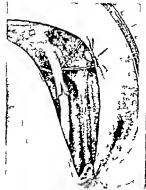


Fig. 5 (Protest and Burjoot.) The artagenation completed. The ends of he guade setteres are sed to past

The great of a ge of his to hongue claims the theory that the copt ison is braised most by the face of the sail res of hone states those by the cise of the sail res and no matter how quest the tyre is backed then all follow no expertises of the cob. Was from the trespont of ultrifate facts of result the versions of the muona is of commons at natige for it prod es onthe thought and the muon membrane and protection against or sail the common and membrane and protection against a serious constitutions.

The factorial results of greenmental arrectors this as turbed by Water show that the rhythmic production of the rat red et as much aloved but as h jaculation in more abunds a Vilkane explained this phenomenon by alight streams hich makes in necessary for he superior end the considered and form prouch before could be considered and form prouch before could be the considered and form prouch before the could be considered and form prouch before the could be considered and form prouch before the considered and form processing the consideration of the co

in many respects t that of the opposite fid.

The conclusion data by this them is that from the point of less of physiologic result the eversion of the mucous added to the classical procedure of magnation sources much better outflow of inthe and more surely prevents streams. Collected



Fig. 6 (Proper and Buspert). Showing the period of unusum to the inferior end. It is the growed director, his traction on the hope of output causes the edges of the longitudest out to highing out.

tainties sho that suture by invagnation of or ne half as ma unpory facules as the suture direct. This invagnation permuts the use of catgut as setture material hereas still, necessary in the direct method, may be starting point of unpure calcula I practising the re b invagnation, especial

th eversion of the mocons, it is essential that the unter but long enough it allows good overlapping of the t ends. The reter can only his been cut not reacted. If the long of substance is such that it causes noticeable stretching, it is better to resour it the suiture duriet and if this threatens it followed by marked (mission, due to refraction of the state testing of the control of the state of the the state whom conditions. Exist Finema.

Bonn Ursterni Catheter Diagnosis and Therapy Indianapolis M. J. 9 5, 203, 37

Tabasapata M J 9 5 xm. 37 By Sang Gyace. A One The riter discusses the technique of urrierra tatheterastion in denal in the aspectal explants upon the X-ray procedure. If discusses determination of the capacity of the remi pivits, residul editors, stricture and obstruction of the arrier distation and fistile I the urrier is Autonosphrous, acut pyre

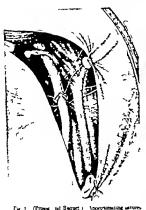


Fig 7 (Protest ad Bucquet) Approximating sectors showing the position of the actures

htis eventus hematogenous enal afection pyonephrous and renal t bereulous I conclusio Bonn calls ttention t the fre-

I conclusion Bonn calls iteration 1 the frecipency of errors in the diagnosis of renal 1 bertulots. There are many cases formal 1 bertulous, the say that ne sow bring tracted for retroversion f the structure of the same structure of the produces error are the same structure of the The author assumes that the diagnosis is usually an error of structure of the same structure of the local-block benefit of balterial renal 1 bertulouse.

The thor et minerals better diagnosis and an early rephrect in II his niggests dissection of the sixter and ligation lose to the vessel meeture. Where such procedure is outra indicated the inter-recommends of interestin by the I fectio of pure phenois Harry A Monix.

BLADDER, URETHRA, AND PERIS Buerger The Pathology and Treatment of Cat

lous Ulcer of th Bladder Hel Rrc J. httm 650 By berg, Cyace & Obse. The author in h ery teresti garticle makes pen t tat g that the wo-called twee of simple



Fig \$ (Proust and Boquet.) The completed oper than Note the alternating position of the knots in the rows of entires.

kers of the bladder ar not of the type that he terms callous "anety H at tes among other things that a uperficial stud and cursory permated the reported cases I the latesture may give the impression that topical policiations of silver nitrate can cure ample where I the bladder.

A critical cross of the history of such cases and the cytoscopic findings could lead; the contrashos that such eases belong t the superficial variety of ulceration and that no case of deep-seated callon ulceratio has been curred by topical pophention of medicament above. If further tasts that the cases shuch be disquored under this heading did not visible in a superficial contrast of the cases shuch be disquored under this heading did not visible in a superficial contrast of the cases shuch be disquored under this heading did not visible in a superficial contrast of the cases shuch be disquored under this heading did not visible in a superficial contrast of the cases of th

After detailing two of his cases, he draw the follow g conclusions

Clinical cystoscopic nd pathological studies in t cases of vestical ulceration has conclusively show that snuple callons licer of the hisdder cand does xipt

The clinical ymptoms of this condition are intense dysums unjectly frequency of micratilos, the sangulations and purelent one. The manifestations become progressively more marked and take a chronic course.

s. The bronch of this disease and the pro-

gressive impairment of vesical capacity speak strongly for the view that chronic cyntitis and contracted bladder are often the sequelse and outcome of solitary alceration.

4. The region of the trigone seems to be the f vorit sit for the chronic ind rated type of picera

tion.
5. Although designated as simple, and fren as solitary ulcer of the bladder this condition may be

accompanied by superficial erosions of the mucous nombrane chowhere in the bladder which are undoubtedl accondary t the latene countries compa)ing the ulcer

6 The most effective and rapid method f curing the disease as well as the suspicet procedure is the excision of the alcerated area by means of the athor's operating cystoscope and punch lorcers.

7 Less radical measures of treatment such as ca terization lift the actual cautery or fairmation and silver citrat prigation re of no vail in this

type of aker

8. Histoshopeal examination in to cases has
shown that the pathology of this coolition is
rather characteristic there being a superiodal de
posit of unnary selfs, layer of necrosis and altern

ion nd stratum of newly formed connective twice with active evidences of infammation. The margin of the their sho intensely vascular in flamed mucous membrane and submucous. of I every case of chronic cynthis, particular in women, where dysords, argeony to direquency of

metration are marked, careful search should be made for this form of older for if it be present to more than fikely that broade cristis and an irritable and contracted bladder re accountary and may be cared by the method drocated

Ist S Koll

Newman Chronic Cystitis and Recention of Url Treatment by Drainage and Its Bess-ficial Effect Upon D maged kidneys. Practitions' Lord 9 J. E. 67

1 this article the thor presents the result of his personal expenses in drainings of the bladder

in cases where back pressure from obstruction has damaged the kidneys. If we has the following conclusions. Obstruction to the free escape of urine invol-

g increased tension in the kidneys, may lead to the development of symptoms—polyuria altominutes and t xerous—resembling those of intersitial nephritis, hich form serious complications of the bladder trouble and, if not relieved ultimately lead to toxerous.

Drainage may be carried out in three ways
() By wrethra, () intermittent cathaterization addiringation, () continuous drainage by inlying catheter (b) By perincal urethrotomy (c) By suprapube yestolomy

Of these methods the thor prefers suprapuble cystotomy

3 By free continuous drainage of the bladder these ynaptoms diminish and ultimately disappear and the patient is pieced in more favorable condtion fo operatio should further treatment be required.
A Fire continuous drainage is also followed by:

required.

4 Free continuous drainage is also followed by dimmution in the sire of the kitneys and contraction of the urriers, so that the orifices regain their

normal valvalar ction.

5 In chroac cyatita, free draining by superspanse cyatotomy is the surest method of giving relief to the symptoms or of curing the disease.

Cumeton Suprapuble Cystastomy K | M J a Larvii 646 By Sury Gyace, & Obe

9.1 archi 440 By Surg Oyne, & Obe.
The indextion for cystoriomy in career of the present and in all their malignant nerpolasms of the laddere of urctifix arise under t very different circumstances—when the growth is affil operable it is temporary pullation operation, and it is temporary pullation operation, and its present properable. The varageous of snalps a taffections of the proast t are quest the same as for simple present properable. The varageous of each per ladder to the property of the property o

ioterable pain pri free hematuria and had general coord tion. Superpublic drainage if releve the argent symptoms of allow it later dat the temporal of decreased gland. The thorp presents a cases of superpublic cut as soften principal control of the superpublic as a made considerable from to mouth it cann. I operable asset, total protunterously the control of the conditions of our frequently the propersy of the multiple it describes in the control of the condition of the control of the condition
years the low me by the handlestors making it describes the handlestors making it describes of the reas and other that pelvic carriagona both ma ha movel of other the prostat of bildder it be event of ground estimates to every the prostation of bildder is event of ground to the event of the prostation of bildder is event of ground estimates to event of ground estimates and especially recommends personant superpolicy exploit in a fill case of inoperable provisation malignant disease since temporary cyloteriomy. If a ready suffice temporary cyloteriomy is a ready suffice.

HARRY D. ORB.

Gamest A Gase of Existraphy of the Bladder Trusted by the Operation of Heltz Boyer Hevelacque (U cas devatephia Sacak trails par Popération to Heltz Boyer Rock chapter) But of min See de clar de Per., § 3, xxxxx, 20. By Jeaned de Chrongle.

Goaset persents a boy o years old, abom he had operated for entrophy of the bladder by the method of Hetz Boyer Horetacum. Three operations had perviously been done it eight fifteen and streen years by the pleaste methods then in use and each time it falled. Goaset followed the technique of Heta-Boyer Horalacops exactly and considers it.

Ith the I ten perfect II began the operatio lith the I ten tion of sing the method of Cuneo which had ttracted him and seemed th simplest. I the last step of the operation it is necessary to use loop of the ilcum th long mesentery one that can be pulled dow easily. In the case t hand be found that he could not lower the terminal loops of the deum II therefore turned to the method of Heltz Boyer Hoyelaco

I this method the most delicat point i th anastomous of the left reter th vessels of the mesocolon interfere but neverth less they must be

(sosset carried out the entire operation at one time Ilb patient was cured it must be noted that the prier urinary persages ere not infected. The patient an hold his urine during the day. During the night he had involuntary passage only t are during t months

Cumston Excision and Suture 1 the Treatment of Detree Close Urethral Strictures. Inn of Dettier countries.

Sing Phila q 3 l tl, 530

B burg Gynce & Obse

(maton describes hat he considers the operation of election in cases of dense lose rethral atticiones. Such strictures he says, our most mono! It traumatic rupt re i the bulbs urethra Excision of the scar "thout doubt gives the best results there are however several methods of treating the severed arethral ends

Any method requiring perma ent catheter the urethra is bad urine snot be kept out f the rethra it stagnates bout the line f sut ee causing supportation and stalt as sear orchitle is caused by the catheter. Unthrost my the other hand comment operations and perforal

urination for months

In the operation bich (in ton drocates, the urethrs is opened on the point ! sound just in front of the stricture. The cicatrix is removed as completely as possible as much 6 cm, of ethra may be resected. The posterior segment is freed for t cm the anterior for 3 t 4. Sut res are then placed in the peri urethral termes so as t being the ends together athout tension the ends them selves are united by fine catgut stitches while a large sound is in the wrether. The prethes a opened upon the sound at least is cm behind the soture line and catheter fastened in the bladder through this incision. The peripeal ound is closed for two thirds of its extent

In case retrograde catheterizatio has been pecessary or the stricture is so deep that the buttonhole ould come in the membranous urethra supra

puble dramage is advised.

The catheter is removed on the tenth day and sounds passed on the t eith. The bladder should be washed daily but the anterior rethra should be left alone I the presence of severe cystills the catheter may be left in much longer than ten dara GEORGE G STITE

Pedersen Urethral and Periorethral Lithiavis. 1 1 11 1 0 3 200 1 48 By Sure, Ginec. & Obst.

The ther carefully discusses the three bases of hthlasis in all progenital orga as disturbances l urinary metabolism causi g precipitation of normal ly dissolved saits and as dust bances in the hy draulers and physics of urnation favoring relention and decomposition, usually ith (rarely without) injection - both these constituting the primary nathoreness of hthissis F reign bodies the result of ducage surgery and perversion re the third basis. These stones are m gratory or formative strictly native urethral stones. Calculi may be come encysted in pocket and diverticula. Accord ing to Englisch Impaction occurs i the membranous urethra 4 per cent in the penile urethra 58 per cent (naviousir four navicular fossa per cent pendulous portion 4 s per cent scrotal portion 13 7 per cent bulbous portion 86 per cent) From their origi stones may be endo rethral and periprethral. Lithiasis ffects children nd full giving in the forme objective ymptoms only and the latter usually previous history followed by a crisis of shock anuna retention of rine distended and tender bladder repture of the trethra and extravamtion

execually in hikiten. On physical examination stones may frequently

be located into the wethroscope and sounds ubus the ethr Ith the h rer externally or through the rectum \ merous case reports of I thuses in Inkiren with d without I tal wene of obetation to cited / metons case native manatory and foreign body origin preference is shown for the classification if these stones int. those of the anterior and posterior wrether from the standpoint of treatment rather than from the standpoint assumed by the German authorities, namely of the division of the stones int the strictly endourethral ad exourethral sources. The utbor case f prostatic calculi is described under the heading of perimrethral lithlast The relation of radiography t ethral and peri-

urethral lithuais is briefly discussed. Treatment is concerned with preventive and curative measures. The former embraces the management of metaboli errors both meetic and ringry. Curatile treat ment includes emergency and election cases. Emergency work in this field is usually met this childhood and old ge, a hile the midble condition re mostly of the election type. The presence becare of complications makes up the chief point of the lectio cases. Uncomplicated simple urethral lithings has its own and obvious indications. On

the other hand the complicated which usually means infected, cases add the element of free drainage as well as the emoval of the at ne or atones. This is valuable review of the whole subject through the history of the past up t the present in the light if

modern prological Laouledge and diagnostic cumen.

GENTTAL ORGANA

Culler Epididymotomy A Fice for a Rational Treatment of Epididymitta. Am J Und to 3. in 93 B Sing Greec & One

I thu short rucle the a thor makes ples for the operative treatment of cyklidy anale, chalming that the a the only rational treatment. If states that proorchool infection of the cyklidymas result

in bect of cyst formation and therefore dramage is DECEMBERY Early expenence 1th Hagner's operatio conneed him of the raise of endelymotomy but he considers this operation too formulable. If describes his simple technique—hich be has used series I sixteen cases. The steps in bis operation ar aa folko An increson three fourths of an ach in length a made over the most prominent per t of the unitrated mass down t the demo fibrous cover-ing of the epedidymus. Puncture of the t mea vaginable is made from the nearest ound note ith peedle or tenotom 1 nelsion in the dense filtrous overing of the major or minor is made a the long axis of the tamor. The point of a hermatat is the threat nt the muse with the idea of entering the pur porter the autrument is opened and then A prece of " I tubing one lack in length is recreed to the bottom of the wound and fixed uth a sutur. Copsous dreweaps and Jumbo surremore complete the procedure. Per will be found to all advanced uses and the fired recurring in acquest rants. Ill be found to contain gonoros In this series of sixteen cases he noted the folio Sudden and permanent relief of the the fee It

Deletweeners forty eight hours a Rapid teduction are of inflammatory mass the farth reduction a size of inflammatory mass the farth realing of operation a ound thout surjou to 5 Early ou valescene without relapse.

If A Foster

Armathers Freststectumy-Suspension of the Bladder Land V In J 9 3, in 6 B Seg Green & Obst

The thor dwises the supregrable operation for the removal of the postar. If also solvines the sature of the bladder to the interior wall of the oblications of the prevential space 1 the time of the operation. These two results of blamed is the operation. These two results of blamed is the operation of the return and through the entire of the operating must be bladder from the theories of the operating must be bladder from the third of the operation of the bladder from the bladder from the bladder from the bladder of the operation of the operati

The thor maintains that the operat vetechaugue tends t obliterat the post prost the pouch, and pute to are relieved of their residual urine at once V.D. Legery, use. Rockey Prostatectemy by Composit Method. Surg Green & Olean, 9 3, 241 434 By Surg. Green & Obst.

The method is terrated composal because it willfuss features of technique deriated by various operators. These have been blended 1 form has the inthor at this time considers the best procedure in the facility of operation with minimum danger speedly recovery and retrifience of faul results

The overation is improposite constitution to the constitution of the technique developed by Beldeith, McGal. Fuller Guiteras, Priver Squier and the rubor IIIs additions are about nations, affinite assignment of the state of the constitution of the badder by two states, and the constitution of the badder by two states, and the mean of operation or as moutine during the affectivent ment. Laturescible retriectors, propogas, and pack-

ling at not used.

The detail of the operation is as follo—Spital
ameribests as produced by storathe or greatel
astronia by other. The bander is filled it is simwater. When eathertrainton is difficult and the
bladder is alread, distributed with rice the opertion man swored, library or bladder ritation.

White Pre- nd Post-Operator Troutment of Prost tecturity Louri Clin 9 3, cm, 48 By Surg., Granc. & Obst

The subor of this paper is particular stress soon the preparatory treatment as all as the post operat a care of the axes subjected t prostates some Not only does he consider better results obtainable by y of cure but better opportunity for the andr of cases wher the patients are sabjected t preparatory treatment. It has been the entition respect them for many desired account designed by catheter anchorage during greater or less length of time before operation, and that the anchorage of the cutheter could not be borne t have recurrent atheterization as systems tically followed as possible Rebel of blacker untability unprovement of the condition of the trine, and especially in domination of amount of pus, epithelmi débris, and improvement in the specific gravity reaction, odor and the overeac of eres, have been usually observed where this plan has been followed. More recently be has given more time t the functional chimisation test and has observed that careful preparation has affirement mod results along this had Improvegreat in el munation has al ys follo ed ystematic use of normal subne solution by proctochast. He cells attention t the fact that the use of strotrogues in he go slower and covering long period of time should be given ath care because not infrequently there are no results obtained from more at the same t me had results may intervene, such as irritation of the hidneys. The average period of preparatory treatment recraired in the athor cases he been from one t t weeks

During neithers normal saline solution is given by hypothermochius in ora tacally. If of his cases, if notes around to operators by remarking that the hability to post-operative hemorrhage is much influenced by the carefulness with which encolection is done. He was stress upon the use of continuous infrastio.

In the perineal operation the other utilized metal inflow and outflow tube devised by his assist

ant, Hamer

The handling of the patient is greatly facilitated by the separate and complete wrapping of each leg in a blanket hich also facilitates the handling

of Interest drainings apparatus may be employed. The question of getting the patient p early in the thory befores, to be fairly regarded as still debatable, getting the patient int the semi-uposphi position the first or second day following operation by a properly adjusted body support has seemed.

both beneficial and desirable

He machedes by remarking that occasional occurrence of status as not necessarily a argument guest say form of enucleation. If has had no permanent incombinence following in any. It has supported by the median pertined mersion, although it has perhased for greater or less length of time moone of them. Systematic and persistent used for with the Following latter of the most of

Kolischer The After treatment of Suprapubl Productectomy Sarg Grace & Obs. 33 Grace Grace & Obs. The thordracuses the after care in two divisions

the treation to the field of operation, and the pholding of the general condition of the patient

The most Important factor in the local care with maintenance of proper dismage of the bladder this is cromplished by connecting the bladder the six cromplished by connecting the bladder to be through giast coupler with a long rubber to be, the datal end of which dip into containing some antiserptic finds, which is placed on containing some antiserptic finds, which is placed on those typhocage is started and maintained by lie-ring fluid through the long time into into the bladder and then submerging the free end if this tube, while it is still filled into the fluid contained in the receiving vessel. In maintain the plan couplet by the appearance of all this bladder is still filled by a public couple the distinguish and the still filled by a public processing the still filled by the public processing the couple of the distinguish and the still filled by the public processing the still filled by the public processing the still fill the still filled by the public processing the still fill the still filled by the public processing the still fill the still filled by the public processing the still fill the still the still fill the still the still the still fill the still th

the most by past depending must trace in all an approximations of the past approximation and the allever valve dressing is reset of the sam time. After three days the set of the sam time. After three days the set of the sam time. After three days the set of the sam time. After three days out to past of soft catheter and hand-synage such can be set of the same out of the shoomland factult into the paure and out map ad dressing underseated which the thickness out of the state of the same set of the same s

are superfloors. In case the patient should fail to start natural orination on the seventh day large steel sounds are passed. The granulations of the abdominal fistula are occasionally stimulated by casterization with the silver ltrate stick. The application of scarlet red has t be dvised against on account of the danger of anilm poisoning and the possibility f epithelialization of the sinus leading t the bladder. In case of a pronounced retards tion of the Gosure of the abdominal fistals it is thoroughly ca terized with a galvano-cautery scraping of the sinus may lead to a very annoying hemorrhage Intense infection of the suture line calls for early opening of all the layers so as to ore vent sloughing of the fascur. The cleaning up and bealing of the infected area is greatly enhanced by proto ged warm tubbing before each dressing.

Severe post-operative hemorrhage is checked by the introduction of Barnes bag into the rectum. where t is fully distended, and by exerting count ? pressure through placing a bravy sandbag on the abdomen while the him and knees of the patient are fexed. This procedure a preferable to opening of the bladder and packing, which manipulations are pt t produce shock, infection, and repetition of the bemorrhage upon the removal of the tampon. rder t enhance the congulability of the blood. to cc of serum are injected hypodermatically. In case phosphatic crumbs should poear in the urine the bladder is epentedly flushed with 1 5000 salicyles acid solution until these concretions have disappeared. In rare cases granulations will per aust at the former sit of the prostate even after the bdommel fatule has closed. In such an event, after this fact has been ascertained by the cystoscope these gran lations are scraped off and their site is cauterized by the aid of an operative cystoscope.

I the general treatment the following pol to re to be barred After the syphonage has been established continuous rectoriysis, by the drop method, as begun 3 per cent glucose solution being used. This solution is perfectly innocuous to the kidneys and is of great stritive value, with a selective action on the heart. This is continued until the patient is ble to take sufficient finid by mouth. On the sec and day after the operatio the patient is mad to sit op in bed, and on the third day he is placed in an easy chair Insufficient elimination through the iddneys a stimulated by the administration of diuretia. The heart action is always carefully watched, and if necessary regulated by digitalia Uramor symptoms are also watched for and, if they appear are treated by sweating, hot packs over the renal regions, discretin and, in case of very high tension, with venesection.

Freyer A Series 1236 Cases of T tal Enucleation of the Protest Performed During the Tw. Years 1811 12. Lased Lond., 9 3, dardy onl. By Song Cysec & Obst.

This rucle is short review of the ork i Freye during o in removal f the prostat by the

superpolic route. It has performed 36 operations during those two years with a mentality f. or 460 per creat. The patients varied 1 ge from 10 to years, it has verage of 653 years. There ere 65 octoperations, eleven 10 years of age 10 to year of 10 years of 10 to 10 years of 10 years. The performance of 10 years of

Frever brings out the point of suprapulse drainage and secondary removal of the prostate. H recites case (A 505) which presented with ver-distend ed bladder nd in hich he drained the bladder unrapuble! and afterwards removed the prosest This case suffered from wremle possessing and the orine sho ed a specific gravity of only look and co tained trace f albumin. The bladder contained a ounces Frever cay That case illustrates one f the few conditions under which t is dynable to divide the operation into t Case \ 001 is given t illustrat the difficulties presented i an extremel fat putient. I this aso th abdominal fat as a notes thick before the bladder as rea bed. Frever does not grest method t diminish the difficulties of poroach

I abdominal all 1 occases the printial disease as completed by stone. Imong these on cases there et 6 deaths or 8 a per cent mortality while mong the remaining 450 encompleated. This stone there were a deaths, or 4 & per can so that the mortality in the former nin — as earl double that in the

The article is every symmetric and suggests that the list of the her and in procutate cargin; the list of the her and in procutate cargin that the pro-operat we or past-operat we treatment the pro-operat we or past-operat two treatment there cases has been now does be suggest asystiant regarding the number of uses finally make you that serves nor his addications for operating or not operating or his discussion of the procure of the serves of the addications for operating or not operating a 1.5 years.

Cabot Th Operati Treatment of Prestatic Hypertrophy Leneri Clus 9 3, cm, 700 By Surg Green & Obst.

(but first stes t point in the doing of prost tectomy the object being t remove the obstruction t managem at the as battle risk t lif as possible second, as bith damage t other struct res and functions as may be Then, taking up consideratio of the most important anatomical points bearing upon the prostat and 1 environ ment be considers the division of the various lobes of the gland, as follow
() The posterror lobe that
portion of the prostat high hes behind the Jacula tory ducts and comes in contact - ith the urethra, only that portion hich has in front f the openings of the epiculatory ducts () the middle lobe that portion lying in front of the Jaculatory ducts and behind the veru montanum (3) the lateral lobes these form the sole alls of the methra and gener lly fuse on their auterior supect thus forming the

roof II then quotes the work of Tandler and Zurkerkandl as ha ing demonstrated in satisfactory manner that the middle lobe as they do fine it is the chief and practically the only offender in hypertrophy

Further the author differentiates what is so little understood — the radical distinction between the natomical capsule of the prostate and the surgical capsule. The latter is not in fact—capsule at all,

but is the prostat fiself.

The relation of the hypertrophied prostate t the internal vesical subfincter. Il depend upo the mou t and direction is which the enlargement takes

place
Summing p the most important points in regard
to the automy be states (1) Only certain por
tions of the protest, re fin. Heed in the process
town of the protest, re fin. Heed in the process
compressed by the tumor and lies chiefly not the heror and lateral aspects of the mass, (1) the escal
and methral aspects of the present in hypertrophy
are covered only by the mixtures membrane (a) the
preshatory does the wholly behand their more both
preshatory does the wholly behand their more both
passents brough of the very morntaniam.

S goal principles involved the treatment of hippertrophs. The author hase his subsequent estimat upon but he believes to be the vergreated the beauth of first class surpress, and not upon treats, to detailed by the hippertrained because of the hippertrained promatercome, band the situation of the promatercome hand the transport to method—the operation of vergr and the suprepulse method of removal.

Quoting the octurrince of fisture he rates The mat re of the operation is such that in mah hands fastule will occur the commonent affairs or more occusionally the rectal. I the sat majority of crees they close in few weeks monthly affair of crees they close in few weeks monthly affair occusionally present for earts and most be frequently as the common occusional present of the common occupant of the properties. This has been in good the present of the properties of the common occur in the kand of good operators be further states the mortality is low feeting in the properties of the common occur in the common of the consideration of the common of the control of the common of the control of the common of the control of the common occur in the common of the control of the common occur in the common of the control of the common occur in the common of the control of the common occur in the common occur.

remove the obstruction is by no means rare. I ord, the occurrence of finish is direct indication of failure 1 remove the obstruction this of course being retraile out. I the personent first is

A 1 the mortality he places it as high as 9 per cent not fisharading the remarkable statistics of Freyer. The cause of this high rat, he cits as being probably more or less due to the difficulty ith high hemorrhage es he controlled, the production of abook and greater healsty; infection, due probably t less efficient drainage. He further traites that he believes more efficient courted or

bleeding can be accomplished by thorough exposure of the field of operation, as advocated by Kolischer Breefte summarized, the elative ments of supra

Briefly summarized, the clattre ments of supra pube and penneal operations in their present stat of development seem to the author to be. The suprapuble route is the znat mixelly correct approach. It attacks the hypertrophical portion at a point

here team be reached with hem destruction of tasses of with the greater certainty of complete removal of the burnetting portion. It does less damage to other structures, interferes less the other intentions, out is followed by for compilications. It is more certain to result in core: The periment operation shows at the present time a definitely lower mortally. It is more difficult surgously procedure as matter what recharge the effect of the control of

MISCELLAFIOUS

cations of the suprapulse method 1

Preferent Th Colon Bacillus in Genite-Urinary
Diseases. I im Ass Genite-Ur. Surg. 9 s.
May By burg Greec & Obst

By an extense v review of the literature the thors show that the subject has been receiving special treated during the pass seven years. It ould prese that the disacted knot ledge of the rules's 1 the unmany tract had a knowled the comprehension of pursary color bacillars infections of the same of that this infectio was proving; the fastroom mport. It is certain that the miserulo is usually hemotogenous and descending but there is usually hemotogenous and descending but there is certifiedly; it has arrhan does take place reportally in comen. The ureful and blacker nevertheless may encape to devenous the infection speciming used

the kidney usually the right. Duriet lymbat! Connection bet each be partie feature and the right. Iddney has been anatomicall demonstrated. It is probable that annuls lymbo out erasts between the rectum debadder. The disease is oft over the rectum debadder. The disease is often disease, the rectum debadder is disease, and the rectum debadder i

General treatment includes distriction, urinary antaceptics careful attention t diet and t intestinal conditions

tinal conditions
\(\) come therapy has not been of vall parily be cause there to many varieties \(f \) colon bandlus and solution of the causative one is difficult.

Radical surgical intervention may becom imperature and does when pyelonephritis or prome-

phroms exists.

The uthor concludes with brief analysis of etiological factors, symptoms, and lessons presented.

by sixteen cases in his practice tending to confirm the details (his paper

Porter Url Acid Calculi V F H J 9 5, xcril, 539. By Surg., Gynec. & Olnt.

The thor states that urk acid is formed normally in the secretory cells lining the uniniferous tabules. If also states that phend when taken by mouth is changed in the stomach into sodium and potessium exhibitate, coroller to the following equation.

C.H.O+** (PO) = C.H.**O **H (PO)

The carbolat is absorbed into the blood stream and is carried by the Maingrian tutis 1 the kid may It passed down the issues of the unafferous tubules until it reaches the locatio at which the unit add is consta by being formed. When the carbolates come in contact with free unit add, the to result upon each other and form a somewhat soluble unite of sods, with liberatio of carbolis and as shown in the file to ground on the file to ground and as those in the file to ground.

CJLN=0+CH,NO=CJLO+CH,NANO

The is explained the favorable with a phenol in preventing the formation of unit acid urinary stones.

V. D. Legitaine.

Walker Recent Work in Genito-Urinary Surgary
Practisemer Lond 9 3 at 70
B) Sorg Cyaco & Olst.

I the article is presented a review of the literature on recent ork genito-urinary surgery. The tho quotes varying opinions i thorities if America and Europe without attemption to discid-

America and Europe without attempting to decid between them, histograph in certain instances he gives the results of his personal experience.

Among the means f estimating renal function are discussed the experimental polyuna test f Alba ran the comparative study I the urea in the blood and that in the urine and the indigocarmine and phioridain test I cases where cathetenzation of the areters is impossible owing to the condition of the bladder Legueu recommends temporary lies ture I one wreter or suprapolar cystotomy ad direct cathetenzation of the ureters. The recommends in such difficult cases which are generally those of t bercukesis that course I new tuberculin of some months duration he given which may so modify the vesical spasm that cath etermatio of the wreter becomes possible. Failing this explorat ry pephrotomy of the supposed healthy Lidney gives most information, preparatory t a nephrectom f the thet kidney should the disease be unilateral. Paschlis reports sixteen cases from Zockerkandle clinic of bilateral exposure f the kidney in t berculosis in which advanced changes in the bladder rendered other methods of diagnosis impossible. This method of exploration is ecommended, especially in very you g hildren I whom

ther means of examination re very difficult.

Lary g views re apressed to the results of decapsulation of the kidney. Lebmann declares

ADSSICE.

it is indicated in the so-called renal neuralsia in angio neutotic hemorrhages and especially in

emia occurring in cut nephritis bronic nephri tis, however, is not permanently influenced by the operation. Poten states that on cases of decapsu lation in eclampets are now on record the mode and remarkable improvement and convery in certain number I cases Sippel, in forty-us oper ated eclampata cases, found thirty recovered from the disease he otherwise would certainly have died. Poten's statistics however show that th mortality of eclampsia without operation was 1 3 per cent hile that of decapeulated cases was 40.7 per cent. Il regards the method as rong in theory and useless in practice. Tyson states that is bronic ephritis the cases most fa orable for decupulation ire those of the chronic parenchs

From experiments performed on rabbits. Moore and Corbett ha dra the following conclusions in exert t the damage done t the latney by oper tion. The inclusion was less damage than the autures buch are introd red t control hemorrhage S t res passed through the renal capsule alone reinsufficient t control bleeding. At tirese sutures through the kultery substance cause most extensive destruction. Stit her passing through the pyramide and knotted on the outside I the Lichey cause least damage and should be preterred.

matous type and those associated ath stubborn

In study on the subject of septrectons, Genter states that mortality follouing primary nephrecton is less than that following a condary penhantomy although in many cases the oudstion of the patient as too precursons for mything but nephrotomy t the first operation.

Incobeon and K ller declare that port opera yastis is more ommon the is usually supposed and is often found in cases in hich no cathete has been used. Retention of nine trauma, and on gestion are the most common productioning causes and the color baculius is the areal infecting great Good results have been obtained by injecting and the wrether 5t so fa per cent solution of borogi) cericle with urethral yringe

Parker Sims advocates the transpentonest route in operations is the bladder and prostate. If bases his view on theoretical restoning and on the infortunat results be has seen in the work of thers. If declares transpersioneal cystot my is an ideal operation, nd should always be set as

far infection is concerned.

It the Second Congress of the Association Inter mationatic d Unione (London o) the thor reports that there as a consensus of opinion that resections of the bladder for new growth should be extensive. Ten ick advised total removal of the bladder in recurrences, and in non-operated cases of multiple papillomata kich are large and do not ffect the ureteric orifices. If infiltration of the blackler wall by a malignant growth is pulpable from the rectum it is inoperable. Roysing hopes that the mortality of total extirpation of the bladder may in the future be connderably smaller than that of partial resection. He admits, however that the danger of ascending pyelosephritis in the transplanted preters, is difficult problem t solva.

I regard to the causation of simple enlargement of the prostate Whon and McGrath do not regard any of the hypotheses at present held as acceptable nor can they advance any satisfactory theory of thei own. Pederac would exclude from operation nd place on catheter life, cases of enlarged prostat in thick there is chronic distention of the bladder on the ground that the parelyzed grescle has lost all po er of recovery, and that the removal of the twent t gland would not benefit the symptoms. This throny does not agree with the striking result of

Freser work here in may cases, even after of camplet catheter-lef the bladder regular to tone hen the obstruction is removed. System states that three factors should be considered hen choosing the particula operation to be emplayed for the removal of prostat obstruction aret the removal of the obstruction, second, an brolet certaint that the patient ill be able to ontrol the bladder and not suffer from post-opera to urmary incontinence third, preservation of the pa ulatory ducts and accusal capacity. The suprapulae course if rd the closest access t the obstructing lobe at does not damage the aternal

solunates of the bladder as the personal operation very frequently does, and the second function is more blefy to be preserved I mous statistics on the mortality following the various operations of prostatectomy ar reviewed. loung and mortality of per cent in 45 Cases

f suprapuble prostatectom ectomy I ever had 450 cases of perineal prostatectomy mortality of 515 per rent in ,000 cases of superpulse provatectomy Where prostatic disease as complicated by stone is the bladder his mortality was a de per crat Halker had mortalle of 5 per cent in cases of suprapulse prostatectomy Bremerman uses nitrous oxide gas and oxygen an angesthesic for prost tectomy and considers t

rapid and mi but co tra-indicated in myocardita-H L S roup.

SURGERY OF THE EYE AND EAR

ETE

M Kenzie Cyntic Distention of the Luchrymal Sac Operation on Assal Duct in the Nose (West' Operation) Proc. Rev. Soc. Mol. 9 3. By Sarg. Gync. & Obs.

The patient woman 3 years old, had been suffering from ethimoditus for some years. Four months ago after the removal of polypi from the left side of the none, she noticed swelling at the

incer can has of the left ecorresponding in a man tion with the lackrymal sec. It was tense and fluctuating and could be empt ed int. the nose by steadily presume pool. West operation as performed. Lackrymal

probes held formerly met with batron on their rout t and the infrared metus, now passed freely int the middle mentus. So far there has been no return of the cling. Enwant L Cox and

Wright The Estirpation of the Lechsystal Sac.

\text{orders Mol 0 3 00}

By Sure, Greek & Obst.

The indications I extirpation of the sa are summed p by Winght as follo

All cases of hierostries with history i repeated probing

A standard of the dust which does not visible analy and quarkly t A probe

If the gives the description of the operation as do b Meller C C D zinco

Kennon Report of Case of Contential Proets i Both Eres Relieved by th. M. tais Operation. 7 4w Opkil Sec. 9 j. May B. Serr. Upper & Obst.

The Bent results beamed in this case is the pology! I reporting it. Having met with! dure t correct the def mitty by means if the de brandemo t operation and the results being far from suitaktory in t cases! which he Panas operation was employed the Motals was used in this case. Briefly the technique is as follows:

After the usual aseptic prevaiutions, the tendon of the superior return is uponed and the middle in conjunctive carried upward, an assistant pulling the file at a upward as possible with the finger the file is than inverted and the incident carried. Through the ul-de-sex and on to the conjunction of the list I the upper border. I the turnal carriage. A tendon hook is now passed under the tendon of the muscle and strong silk souture threaded on two short curred needles having been prepared, one of the needles has been prepared, one of

is now firmly tied round this middle /4 and that part I the t indon out from its trachment to the globe and the incision extended upward until nar

row ribbon of muscle about mm. long is isolated. Then with dull pointed scienors a channel is desected from the margin f the torsus where the co functival incisso ended and between the torsus and the skin to the cillary margin. One of the needles is then passed through the channel and made to emerge through the skin just above the cills near the center f the lid, and the second peedle is passed likenise, piercing the skin 3 mm from the first. Gentle tructso is next made in the sutures a d the muscle slip is pulled into this channel in the lid until finally its end is drawn quite down to the cillary margin when the sutures are tied over a small piece of folded gauge. The inclusion in the conjunctiva is sutured with great care with fine silk, that of the globe wer the remaining superio rectus muscle and that of the lid over the muscle allo the bed in the

Especial care abould be talk in to carefully capt the conjunctive at the fornix, as disregard i this precaution has led t prolapse fornix co junctive.

precaution has led t prolapa fornix co junctiva.

The manchas effect abould be considerably over correction and precautions abould be taken to wild exposure after

The patient, age six years had congenital pitods of both tyre. The operations were done under either amerikesla photographs were taken there years part which abow that the effect is permanent. There is very slight limitation of motion observed in either ere.

Tyson A Case of Congenital Apron of the Pat pebral Conj netiva. T. Ass. Opids. Sec., 9-3, May By Surg. Gyme. & Obet.

The patient was woman, ago 40 years, native f Hungary Upon eversion of the upper lid f her leit eye, the tarsal portion I the conjunctive pre sented an appearance as if a fold of conjunctiva ex tending nearly the entire length of the lid 8 mm. long and 5 mm. wide near the fornix, had been pinched with pair of forceps, had been lifted up and then pressed back against the center of the target and had dhered to it along the upper edge if the fold, which was slightly irregula in contour the temporal margin of the palpebral conjunctiva 3 mm, from the external canthus, was a horizontal allthic opening 4 mm. bong which admitted the largest Bowman probe, which could be passed between the layers of the confunctival f kl, a distance of 5 mm almost t the laner ngle f the eye. About midway fibrous band could be detected which caused alight narrowing t that point. The colo I the fold or pro appeared tiffee gracompared in the sormal conjunctive, but as transparent enough for the probe t be seen through it and observed the entire knight. N other maiformation I the lid was present, nor was there any reducent or history of its max trachoma or conyetidence or history of the max trachoma or conimation, the unber green the through the properties of the properties of the properties of stated that dimute a that during the unbeyonlated than ion dherred the layers from high the last out that formed in that by polling, a fold-it the fort or conjunctives originated. Later the mans expertant from these inspect, and the fold the fort of the properties of the properties of the the fact of the properties of the properties of the literat treatment of the state of the properties of the literat treatment of the state of the properties of the literat treatment of the state of the properties of the propert

Clark Radi m Treatment i Tumor of th Orbit Mes St M J 9 J. ix, 7 By Sorg Cyner & Okat

Clark report the treatment of 1 mor f the but buld t years old a the copylabilities of t lend in Duration three or four months found normal, alight limitation of movement V thrill polisation of their pressure on eye in the direction of the pex produced so primers y liding. Vising pressure mondage used for

som eeka ub no mprevement.

C nibotomy as performed karpe companed I nesso made nd external retus as detached. The samon mass could be seen I be made pol fairly large versels and untated in the deeper pair it the myede one. It be of milligrams of industrial was inserted as deeply possible thout cason in delt for I hours. Considerable re-

ction took plos. For so or seven day. At the rad of eck. Tather decided improvement in the re-ophilulations as pourrat. The operation repeated to the test was days later Seven months after the last operation most marked improvement after the last operation most marked improvement that the last operation most marked improvement that the last operation of the last operation opera

De Schweinita and Sh mway Epibulba Carcinoma Histological Examination of the Specimen. I da. Ophil See 9 3 M y By berg Gyner & Obst

This go it began is the left of of man got al, formers years prior t be en lexition of the err. Three mooths after enucleation there was recurred in the orbit the contents of both ere therefore evacerated. Hieroscope, examination of the experiment of the experiment of the proposition of the comparative beginning it the limbon, that it may possibly have started as pupilloms and as the reself of cutternation may har been summated to rapid growth and they assumed multipaint type, the highest of called attention it the percentage of case in hich per focusion of the eye-bill occurs in these circumst new

namely about thirty-seven per cent. I their was specimies perforation had not occurred, although the growth was of long standing. They also called trention to the youth of the patient, namely that the growth began hen be as only 9 years of age.

Usuall epibulbar carrinoma is found in individuals over 40 years of age. There are honever

umber of records militaring that this tumor may pipes even as easily as the c elith nut thirteenth present of the Dos reporter namely. Regime describes an epibolisa carcinoma in patient to months old. The uthors believed that the affect procedure in the presence of epibellas ca casona as thorough entolection of the eventual talkoogh is as thorough entolection of the eventual talkoogh is

ery few out nors small growths especially those t distance from the lumbus, have been exceed thout recurrence

Stallworth Corneal Ulceration MA U.J. 3. h. of By Surg. Gines & Obst.

The article begins the concise consideration of the armi my not physiology of the oraca. The thorither speaks of the frequency of unfurnmations of the corner as seen—the free dispensaries due to the poor by gens—toke admises, and the low-ered resistant of this claw of patients.

The brig tage of inflammation of the cross as until tion of my also the description merri to the discussed cross. As conception of this corne loses at transparency taking on smooth of the control loses at transparency taking on smooth of the control lose at the control lose at the control lose and becomes inconspatible with the maintaining and becopie we prosent of the corners here is lost absoluted from a budden of the latter strong arrange of the control lose at the control lose

Simple glot. These in the small marginal along mentally found in hidren, and may it hem or startuded the phlyticised is that he booken to startuded the phlyticised is that he booken. The symptoms is those of deep mit not. The tire timent advanced in implication of improvements to good backbooked of serverum very three hours. I the publyticised subcreation per convellow and server in the proper most timental.

treatment

Ultra serpera or serpagnous after folion the several fections, smallly perameterors: especially hen these result from transa. They popular disk, gazen deeply infallisted around be edges, the the rest of the cornes persenting. Status appearance. A severe riths and an hopey, reconcentrate conditions. The symptoms re-ery valent and the ulter has marked tendency.

 like the branches of taig It occurs in young people of low vitality. The organism causing it has not been isolated. The symptoms re very suld. Zinc chlord solution [45] per cent) and treatment of the greenel condition is advised.

If Israel type I aleer This I m of aleer rembles the dendritic but occurs in people that give but you make the tracks. General treatment with quinne nod arrente ill cause it I disappear Ulcers sociated with gonorrhead polyhalmia trachoma witherpes of the writes are spoken of Earl B Forskin.

Chance Degeneration I the Corneas of a Man nd His Ad It Son. I Am. Ophth. Soc 9 3 May By Surg Gyner & Obst.

These cases are examples of nodular degeneration of its comes as found in two or more generations or in several members of family. The men were sayed 54 and 6 respectively and each had been protectedly bland since inflancy. After members if their imity if the generations are known to a had serious or unusual affections if their skylat.

be bad serious or unusual affections I their sight Each fall four corners as occupied by large but Jaint disk which covered the central two thirds of the corneal area while the outer third including the himbus was perfectly transparent and enaffected The disks consisted I fine dotted groups of yellow ish eray flocculent material o consula, arranged in mor or kearschaunghnessitusted beneath Bowman a merabrane and in the anterior lavers of the troms. as though resting between the membrane and the stroms. Here and there were glistening points like crystals. At the apex I the summit there were two larger bubble-like bodies which projected beyoud the general surf ce f the enroes. The epithe lium was intact and glistened. The discord areas terminated somewhat unevenly in an indefinit rathati g network. The center f each disk was condensed, outside of that was more or less trans-parent sone while beyond as another denser por tion linch ended in more or less dismond-shaped retrollations. The corneal membrane beyond the reas as quite clear and bealthy showing menther infiltrat nor vessels. The crypts of the ins were deep the reactions prompt. N view of the junduses could be obtained but the vitreous bodies were presumably clear and the retinus believed to be bealthy

The son corners presented the same character sittle as the father' except that the opacities were not so denne and were more reticulate. The sur faces were even, smooth and pollabed and distinctly sensitive.

The opecutes were circumscribed and bilateral of procumately equal must in each eye and each per son a late the other', except that the so 's were less dense or rather the lines were not so numerous. At first giance they looked lat the residue of a later attitud kerautik. At the center of the patches the masses were so close together as to be without arrangement and it was ou! It the periphery that

the reticulation was apparent. There were no signs of inflammation, no pannus nor obliterated vewels. The irises were healthy. There was no crise-cross latticing of fine threads, as in Hanb's and Feuod's cases nor pigment d't as in Doyne and Stephen son a and the surfaces were smooth as in Febr's.

Each man was subjected to the Wassermann and to tuberculin tests, with egative results. A tho cough study of their chemic metabolism showed the same comparative percentages as found in healthy individuals and so also did the blood-ro tent with the differential countings.

Harrowert Two Cares of Conical Cornes with Cataract. If Am Ophils. Sec. 0 1, May By Surg. Gyner. & Obst.

These cases were reported account of their ranty They both occurred in the a thor's practice within the period of a year. One had thick nebula on the period of a year. One had thick nebula on the period of a year of this was man of 67 who had been led by an attendant if I two years.

He got visio enough t go bout alone, and could read Jacge? As 8 although no glasses improved him. The second case was woman who had been operated on two weeks bet re this report was made. The vision was fairly good at the time the report was presented.

Sommer Control of the Eye in Cataract Operations. Ophib Ros., 9 3 mm, 04. By Song Gynen & Obst.

The necessity of the should control of the list in the intraceptular operation, as emphasized by Smith, as brought out first in this article. Summer then describes his method if the control write pictures of his speculum and photographs if it in use, a method lich he believes does way with the need of trained assessant.

In this speculum the portion f the upper blade which slips under the eyelid is narrower a d projects under the hid much farther than in the rthodox instrument. The handle is curved to accommodat the index finger and the ball of the thumb rests on the spring. The assistant holds the speculum between the index finger and the thumb taking a firm grasp of t, while the ther fingers lie against the side i th face Pressure of the thumb the suring end of the speculum cting through the index finger as falcrum tilts up the cyclids to whatever extent is necessary The ansistant ther hand is spread out over the patient head and, the eyebrow having bee well drawn back his thumb presses against the opperedg f the rbit. By flexing or extending the rat the upper blade may be made to alki under whatever portion of the upper lid most exposure is necessary according to the directio that the patient rolls his eye. By propating subinating the fore arm the correct amount f lift of the cyclids off the eyeball can be bisined th correct amount if the upper lid is enough room to clearly see the fornix where the patient may not roll his corner out f aight the lower lid is to be held just off the eyeball nth "bad squeezer the fids should be held ell off the eye Easte B Fortise.

Reeder A M thed of Deating with the Capust
After Cataract Operations. Ophil. Rec. 9.3,
xxii, x84
By Surg. Gynec & Olse.

thor emphasizes the importance of the $T_{\rm b}$ complet removal of the capsule after cataract operation and the difficulty of doing this by the usual methods. The method that he has devised, nd for hich he claims very sathfactory result compate in making mm, inclaion near the burder of the corner fth an eye needle Next book similar t Tyrre's iris book, the curve of which i mm ide is passed through the opening made by th needle. The point of the book is reasonably sharp nd is almost but not out hors sontal t the shaft. The book is passed int. the panle through an opening made by the needle under the opposit border of the iris. Traction is then made on the book til it is in the monimal many of the use when the point is turned p so that t passes over the edge of the m and through the capsule pruring firm hold. It is then th draw through the orneal privots, and the operation is complet. CARLE B FOR LLE

Allilett The 1 tracapsular Catacact Opera ion from the Viewpoint of an Assistant. Olso 31 II J 3 rt 73 By Sorg Gyare & Oue

Millett agai discusses the ork of the assistants the intrue pools operation of days some operation to days some operation of any some operation that of the opera himself. If speaks of the massal silv relation the operator as befores the intra pouls per toom all wrayes better vision than the position method. C. C. Danarian

Greenwood Surcome of the Chorold Not Demon trible by the Ordinary Transill minator T to Optil Set 9.5, May

By burg Gyper & Olast.

Fost equational choices of acrossis are not readily demonstrated by the use I the ordinary translluminate and it situated I back it not tall
lluminate and it situated I back it not tall
lluminate and it situated I back it not tall
on and often to nech cases the daphsonorees may
show nothing. If he ear the translluminates the
could be placed to the back of the ey-such tomore
would be easily demonstrated and one object in
reporting this case as at call attention to the whole
of the modified translluminator devised by Lancaster.

This consists of a curred metal tabe bout the size of N o Theoloid probes and has me in the concave surface t the tap. small opening through which light is projected from small not prompt electric light. That it is high a boot to believe for one in tendence the highest properties of the control of the through small opening in the co-junctive and Tenor's capacity.

The case reported as that of young oman

and 31 ho came in has evil the story hard condition of shooting flavorana, with no possibility of using the ophthalmoscope or testing the field of vision. The Wardeman translluminators showed solding. A surrours of the chorold was suspected and the condition of
On removing it more than 4 mm from the optic nerve the light transmission responsed. Section of the ere showed spindle-cell melanotic arrown of the horoid cm in diameter ith its

center exactly over the optic perve head.

The use of transilluminator which could be placed lose t the optic nervould have obviated, in this case the t ether operations.

Harrows: Two Cases of Chronic Gisucome Simpler Treated by Iridonals, T in Opici Sicos, April 1988 (Spec & Obst.)

The wibor gives an extract from Borthen a strict describing Borther mason for operating, and description of the operation. Borthen results are so wellest that the suther as encouraged to follow his method inch be has in the clear report ed. I both these cases the resision was reduced to normal, and the field decodedly relared.

I the first case — omain of 60 the shimster soon the send of ten snorth as as appost as before the operation. Tension normal, and the field surged. The accordance was not go years old the held was desiriedly enlarged, the tension referred to normal and the wasses improved from 6. To 6. This has remained no for ten mostlike first the send the first firs

Wisser Orbital Celluliti; F tal Case Fellowing Disease of the Accessory Minuses of the Nation V I M J 9, 2014, 866

B) Sury Green & Observed

It is ell-known fact that the nose and its accessory cauties or etiologicall responsible for many of the orbital and ocular complications in which we need. Owing it the provinity of these caveties, discuss is easily transmitted it the orbit, either through the vascular return or by cause and destruction of the forterwing bony, all or by yeldelectrons, give or defects in this structure.

The case reported is that of morehant, so and pg, with everyteously cles hastory. The only feature of unport one as feeding of again one of the right side of the face extending over period of years. The sout jumptoms are sweling of both eyelids the same side reddening of the ame, intermittent pain and pain on movement of the visibil, the whole growing over period of the visibil, the whole growing over over period.

of three weeks \ \mion was normal. Examination of the nose revealed turbinate hypertrophy with a profuse brownish dried discharge. There was duliness on transillumination on the diseased side and no purollary reflex, but the frontal smms was clear The temperature was 100.3 F The antrum was punctured through the micrior meature, irrigation bringing out brown look-melling them with dirty bittill clumps. Pain was intense that night and by morning phiegmonous orbit I cellubils had set in Operation was advised. The anterior and posterior ethmosds were broken down and filled with granula tion there and small polypold masses / direct opening int the orbit was made out. The antrum was also dramed. Four days later the inflamma tion had progressed t such an extent that ex enteration of the orbit was performed. There was ms ked inprovement for four days, then meninges! I volvement began and death came eight days fter th second operation \ autopay was performed Culture contained treptococci

The case brings out the gravity of chrome mous disease and some deep questions of operative inditations which the athor discusses.

Catte B F

Plaher Tra mattle Posterior Lenticon a. Optica Zer 9 ; xxxx, 97 By Surg Grace & Chet Fube refer to the collection of reported cases by M dame Gouriela Welt and gives her conclusions that tree posterio lenticonus in diagnosable chaical by on condution that it is signe settisfied ()

deformity. I the image obtained from the posterior surf of the lens, (b) the characteristic alteration in refraction of the perspectal and small portions of the lens. If includes the possible splanations of the lens. If includes the possible splanations of the lens. If includes the attention of literature of literature and the surface and the statement of literature special splanation and the statement of literature special splanation and the provided splanation and the splanation of the splan

The case reported is that of medical man, so years of use. A blow over the right make hope left him with black eye Shortly after this he noted the vasion in the right eye was blurring, causing difficulty ith his sear work. Three weeks after the accident Right \ 5/3 but only to Jacger at thirty inches Fundas od fields wer normal Diseases of the central nervous system were climi-verti-al 1/9 the partly The pupils were dilated with hometropine and cocain and examination revealed definit protrusion of the lens at its posterior pole — an undoubted posterior lenticopes. Visio through th peripheral part of the lens 5/0 without glasses A Catherine-wheel appearance of the retinoscopic shadow and a dull central reflex were compactions. Nine months later refraction as more invopic and. Jeger was read at the inches more invopic and J eger was read at the sucker without glames. Five and one half years later the lens as complet by opaque popul and tensio nor mal and the field satisfactory

The terpretatio of the case appears t be that

the concussion injury had caused a minute rupture of the capsule of the lens at its posterior pole. This was so minute that at first it cansed no alteration in the curvature of the lens but it had the effect of shollshing or at least reducing its power of a treasing in proventy when the ciliary muscles were thrown into action. Gradually a small hernix of the lens substance through the rupture produced the posterior lenticonus so that I eleven months the striking change reported in the refraction developed and the posterior lenticosos which was recognized fifteen months after the accident explained this phenome non. The sequel of events is sufficient to establish th accuracy of this explanation. If it be admitted as a case of true posterio lenticonta, it appears to be the first on record as an acquired cond the

EARLE B FORIER

EAR

Patterson Epitheliums of the Auricle and Cerrical Glands; Remoral of Auricle and Glands. Lever, Lond 19 3 charve, of Bi Sura, Grace & Obst.

The patient was man aged 6. His right case injured at mo the perionaly. On the orter aspect there was an indurated non-ulcerated area raned above th surface and about the rize of shifting. Under the microscope the growth showed the typical structure of an epithelionan. The glands in the oppor part of the right anterior trange acre

dennate's enlarged and Very considerable must say high up unistremed the interno manufal must large personal step. Its operation as the exposure of the item's axion in the match and the temporary ordinates of its harmon by packing ribbon games between the and the slub will. Then I have the reword of the satticle skin, and soft structures we the masted. The laternal pipular as exposed in the neck and druded bett een ligature. A large part of the streno-matched manche was removed with the glands, farsis, and the jupular view, the vebeing divided as close as possible to the base of the skull. Admention of all of the shorty glands in the lower part of the occa, was made. Deficiency of

covering for the wound was made p by skin graft.
Scott made numerous pubcations of the X rays as a prophylactic measure. Only eleven months have easpeed above the operation and it is therefore too early to judge of the ultimate results.
The points of interest in the case are 1 Such

extensive flandshir involvement occurring in smooth from the comparatively limited growth on the surfice.

History of trums air months previous by 3 The prehiminary conclusion of the lateral daws. The facilitates the removal of the lymphatic structure hose pic far jumpia up to the base of the said. It prevents faceling of the would from a sike or tear in this vessel. The thors say he has not seen

stricture? soog the jugular up to the base of the skull, it perents is fooding of it wound from a sick or tear in this vensel. The thor says he has not seen this method described and intends 1 me it in connection with the removal of enlarged junche, in cases of realight at disease I the plany 1, tonsil etc.

Lazz B. Fowrige

Bryant Th Protective Masteld Operation, T

Am Owl Sec 9 3, May By Sory Gymec & Oke. Is a adjavant 1 the certifive endeavors of an ture the protective mastoid operation enters int consideratio when milder measures can no longer be expected it relieve the relixing jesion. As we I field t d so. It finds its definit indications in

All cases i middle ea supporation redsta t t mild treatment, but this some residual hearing which ill become progressively impaired because of the extension f keration and increased middle ea continuatio associated with the destructive process

Possible cases of toxic absorption due to middle ea supportation (1th or without maxiod) complications) likh may be the source of the t xesma. B checking the supportation of the ear, the protective operations destroys that also at

intection.

"Cases of middle ear supportation (with or without martoid involvement) hich may be the focus of infectio cassing serious complications such as bridt absents into a thromboat, or measurable

The selection of the protect: masted procedur in given case of a superpartition is called for by presumptive evidence of threatness complications or indections of materials and the superpartition and it is in the bearing. The true elective procedures conservat; ardiust, horizing ratios, in conservation of the procedures and the selection of the procedure of the selection of the procedure and the selection of the procedure and the selection of the procedure and the selection of the procedure of the procedure and the selection of the procedure of the procedure and the selection of the procedure o

The soveral types of radical matsoid operations become protective in the cases of chrone maddle as appointion became they annihilate the infections focus of the discharging on hich serves as the distributing center of more or less revision programs, and the same time they are in the distributing center of more or less revision programs, and the same time they are the changer of tone baseption, permitting the theoretism of the patients normal bouth after the case supportation the better model sent all the terms of the same and the sa

The varied technique of matted procedure, as decread by different within for the radical cue of earend positivent within for the radical cue of ear supportation is unformly based on the common panelpies of obliteration of the mastedi attrum. The author's preferred technique is the conselent as till of tesses and in his conservative radical masted, in cases where the makille ear structures re lost or caretted and no tissue a removed from t. The saturns is operated which for the oldiner can starten is operated which for the oldinory canal

the outer anterior wall of the stick is removed in its contents. The Esstaching to be in perferably kept open. The formation of a cicutival demamenhance in not kindered in say way. Remba Arrest, furproporation, a stable middle car cicutival condition are painful dressing; abortened convalenceme no dissiparement and, taking into consideration the loss of the middle car mechanic maximum f hearing its improvement beyond the furnctional capacity prior to the operation.

The modified radical material operation in singuest radical curs of chronic modifie are representing when the middle ear representing when the middle ear representing the middle ear spound transmitting mechanisms and capable of some functional activity. The operation field in proceeded as in the conservation of the state, then indeed but without obliteration of the attack, then is opered only as far a the preservation of the outsides I position III allows. Although the resident control of the con

certai degree of middle ea functional capacity is requisit for the performance of the operation. The actuagh is improved beyond has it as prior that transmitters have the contribute.

t the I terrention also this operation.
I numberous cases of cut or subacut middle car supporation. It hor it hout masteld complications, the mastord operation is called for as protection when there is danger of the establishment chrome middle car supparation hich will certainly permittet radical mantold operation. The inducations for the operation in these cases. re based pon the Rontgen ray such should be employed in all acut cases of middle car supports Arrest of supporation stable anddle ear ondition, no painful dressings, moderately short convelencement such re the results of the author's modified radical operation in rate cases of modifie ca supporation in solid masteld bones. results for the bearing re especially fa orable and udition may ctually become superior t the degree existing before the ear supporation.

Infections middle car disease acut or chronic, with allagram of pneumatic cells communicating with the anitum calls for protective maxical operation in order to vert the danger from imperfect dislange during the localistion stage of related absences or in resolving supportation.

The thor' umple mantaid operation includes the emoval of the maxiod process, the blatton of all flected bone, the removal of the validation protetor oncessus neutral "all between the samples protetor oncessus neutral "all between the samples that the protection of
degree existing prior t the supportation of the middle ear

These mastord operations not only comply with the command of the Nil Accere but in view of the results obtainable in regard to restoration of time, tion may be classed under the heading of reconstructive surgery of the car

Blackwell Exposure and Curvitement of the Attic, Combined with Modified Blood Color as Factors in Promoting Rapid Massoid Healing I am Old Sec. 9 3, May By Surg Cynce & Obst.

The paper is based upon sixty one operations (matroditis, in all but three of which modified of follood cuts bessing was need, in an itempt t reduce the time of bessing, diminish the pain of dressing and improve the popularize (the sax subsequent t massifications). In thirty-eight operators, in diction t a thirtough massification that the other model car was exposed and curretted without distributing the ossecutive chain. The was

performed by taking down the posterior bo y

canal wall t within one quarter of an inch of the

oplympam ring I bose and with narrow curetiremoving the external attw. will working from within ordivard. I each instance the tite, all of the middle ear cavity Jung above the level of the oplympaml ring of bone and the horizontal facual scant as found filled with infected tissue, which was removed, revening this body and short process of the incut and head of the milleus from in their provintity. It is the of this infected tissue is sufficient to name frequent infection of it and robuse can

In all of the cases but three more or less actdorms agree was placed in the matorid wound at the en clusion if the operation. The smooth of blood need to fifthe to made varied considerably a the each case Forty-t were adults, seventiend or hildren and operation for the control of the such week all excepting three or besided. At the end of the such week all excepting three or besided. Note there of the cases are comploated by

(aul tre

persums beens. I enty-three had subpertoriest inflammation or abscess. The durs or sums as exposed tharty two cases. Nose died, The bearing was not impaired in those in which the attle was curvited. The external auditory canal was always pa hed sungly in the conclusion of the operation, in order t prevent is collapse. Vine bad chrone discharge from the ear.

The utbo believes, in number of adected cases of chrone duckarps from the cs. with good hearing presenting evidence of true still support in only that the operation consibiled with with our blood close, or with or without plants meaning the control of the still support of the control of the

and the subsequent scar presents a much better appearance.

Randall A Skull Traphined for Mastold Carles and Lateral Sinus Thrombosis. I Am. Old. Sec 9 3, May By Surg Gyner. & Obst.

The specimen was given to the author shortly before the denth of D Ashhurst dozen years ago with the statement that the patient had been operated on at the Episcopal Hospital thirty years before. The incomplete records of that date at the bomital fail to furnish substantiation o detail. The right masteid region presents two rounded concal openings, the aterior entering the carious cavity within the masteld the posterior communicat ing with the knee I the sigmoid sulcus. Both are eroded like the whole mestoid superficies. Thirty milimeters farther back, forty five milimeters behind the meatus and just boy Revi base-line, button has been removed with half-inch trephine. The inner aspect shows erosion I the lateral mileus from near the torcular forward to the knee where the anterio wall is gone and the sulens merres into the carlon mustoid roterior Two small openings enter the middle cerebral form.

enter the module cerebral forms.
The specimen tells at unmistakable et ry of mestord cares opening back to form perishones above, inadjectatively drived by two diffloyestiest periodic patterns of the state of the

Shambaugh When t Operat on the Labyrinth in Labyri th Infection Secondary to Purulent Ottel Media. I 4st Ool Sec. 9.5. May Gyner & Otet.

By Surg. Gyner & Otet.

Shambaugh points out that the object of operat ing upon the labymath in labymath injection from models car disease is to prevent the development of an intracrapial complicatio or to relieve an intra cranial complication after it has once developed It is only in the sever cases of labyranthitis, that is in cases where there is diffuse purulent I vasion of the labyrinth, that the danger of an intracrantal complication is sufficient to justify a labyrinth operation. Clinically it is not always possible to wake a diagnosis between diffuse pon-purulent (serous) labyrintintis, with total suppression of labyrinth (action, and a diffuse purnlent labyrinthitis Furthermore the danger from diffuse puru-lent labyrinthitis is not always the same. Some cases are much more likely to prod ce an intracramal complication than thers. It is not always possible to make distinction between the cases of abyrinth empyems, where the danger of an intra created complication a sufficient t constitut an indication for the labyrinth operation, and ther

cases where this operation need not be done. I general, one may conclude that laborinth operation is not called for in case of laborinthick where the function of the internal ea has not been completely destroyed unless there intervene symptoms indicating [atracranial complication. The same procedure can be applied to all cases with complet destruction of the function of the internal ear hether they occur secondary t an acut otitis media in connection with acut examerbation of chroni ctitis media provided no clearly recor nized indications exist for martoid operation. A labyranthitis hich develops feer mastold opera tion even here it results complet suppression of function, may be treated in this y conservativel, unless sympt ma develop indicating a natra crantal extension

On the other kand the cases of labyrinthiths where labyrinth peration seems t be clearly called for include

First cases flab ranth supportation her clinical symptoms test suggesting beginning intracranial complication such as altered eer bro-spinal flinks severe industrial besidance et

Second, case I here the labyrinth cusp case develops as part of violent scut panotitis where the indications for mastorid operation that Third, cases here the labyrinth suppursation develops as sequel t chronic particulations media

where ell recognized adication for manifold operation exist

Fourth cases where the lib nath suppurstion as complexed by reason of the labyfinth expends by facial paralysis by sequentration in the labyfinth by facial paralysis by sequentration i part the hole of the labyfinth decreases.

Day Indications For d Result of Operative Treatment of Otitic Meningitis. Sury Gyme & Okst. 9 xx yoo. By Sury Gyme & Otst.

The thor has treated \$7 **see of meanings \$5 of outstee origin and and see condary t poor monas. We red appeared as diffuse responsive to the contract of the

The treatment of the cases waterd. The masted operation, simple or radical, as done in 48 cases of 1 33 the operation was supplemented by other procedures cases by d'radication 8 b simple memoin of dura to dramage 4 by utogenous accords by dira nage of enterna magna. by diralinage of laterial ent. by lavage 1 entitle 4 by

I traspinal I Jection of arotropia and of oxycyanide of mercury

It is impossible t establish definitely the indications for operation. The peration is not one for cure of diffuse meningitis, but to prevent suspected localization from becoming diffuse. Indications of beginning invasion of the menlages re vague. Steady increase in blood pressure and ordens of papilla, when present, is a distinct belo in diagnosis. Lumbar pencture is the most reliable information as the condition of the meninges. Presence i pus cells or pyogenic organisms in the fluid is usually considered diagnostic. A markedly increased umber of polymodes. lescocytes with the presence of progral organisms indicates bopeless condition. to no employed humbur practure seldom gives armos of threatened invesion. The virulence and not the individuality of the organism determines

the course of the disease and the clinical condition of she patient offers no contra-indication to perath procedure.

The treatment of suppurative meningitist by drugs per oram is beologicly shadens. There remains, then local nativelysis varcine therapy and surgical noncreture.

Condustors Stress and vaccines are dissproatness. Drugs I troduced int cases I power ful enough t overcome infection are harmful to other organs. Death drudges as effective to tabled error of the best of the construction of the construction of the construction of the act of the construction of the construction of the act of the construction of the construction of the act of the construction of the construction of the account of the construction of the construction of the account of the construction of the account of the construction of th

Dench Report of Three Cases of Ottile Meningiths Treated by Draineg of the Cisterna Megica T. Am Otel Soc. 9 3, Ma.

By Sucg. Green & Otel.

that reports three cases of meningitis of outse origin. I the first case tuberculous menugetta could not be excluded clinicall although the pathological findings no the unmation of the cerebro-solual fluid, You Purquet test and animal inoculatio were negative. I the other cases the menugitis as unquestionably of otitic origin. In all three cases the cisterns magaz as easily drained by an incision in the median line below the external occupital protuberance the removal of bone being continued into the foramen magnum. All of the cases terminated fatally. In the opinion of the utbor hi may have been somewhat prolonged by It did not seem however that the the operation proceds had been in more efficacions than the ordinary carebellar decompression or decompression in the temporal region

THROAT AND MOUTH SURGERY OF THE NOSE

Sinder: Further Observations on Some Ana tornical and Clinical Relations of the Spheroid Sinus to th Cavernous Sinus and the Third, Fourth, Fifth Stath, and Vidian Nerves. T

Fourth, Fifth States of My 4st Lerrage Au 0 1 My B Sorg Gyne, & Obst.

Sinder has previously expressed his belief that many cases i migrain are either aphenoidal empye mate or nerve involvement by the extension of the its toxics through the thin wall inflammatio separating the sphenoid sinus from the discent perve trunks. The results obtained during the past year strengthen this behef From anat mical examinatio of specimens studied by cross section be found that the third, fourth, fifth, muth, and Vidian frequently lie in close association with the phenoad sinus, and has findings, except for the Vidua aere corroborated by Ladralam Onods H

found the sphenoid sinus separated from the clivus f Blumenbach by transparent bone in some speci mens demonstrating the amoriation of the sixth The early lateral scread of the mus beings it in close proximity t the second division of the fifth at as earl an age as tw and one-half years. As earl as the meth year th. Vidian canal is purouched

The idefying pathological process Studer be lieves, is an hyperplantic sphenoditis. The second di isso of the fifth and Vathan are most frequenti

The medicines which have so far proved of th greatest benefit are one per cent carbolic cad in oil, two-tenths per cent oil i wintergreen, and querus solution of sochum salicylat two fifths per cent EARLE B FORLER

Ra dall A Skull with Malformation of the Temporal Bone and Distortion and Absorption of th Basilar Region as if by Freeture of Nase-Pharyogeni Growth. T As. Laryagel. Ata., 9 5 May By Surg Gysec. 2 Obst.

The massive edentulous skull seems that of man of 70 years and is fairly normal on the right but the left mastoid is represented by irregular osteophytic nodules back f inch rounded opening cm. in diameter enters the lateral sulcus and the cerebellar fossa. Its smooth bevaled edges mark it as of long standing, probably concenital. The banks process of occupital and sphenoid is thinned by absorption. especially f its under surface the back wall of the phenoid sinus, the pterygold, the palate, and even the upper alveolus are pressed forward on the right as is the sygoma and major but the nasal force are fairly symmetrical. The floors of carotid and adi tory canals are gone the left, possibly broken y but probably absorbed as is the hone hour

the greatly enlarged iscerated foramen. Through this opening the tumor would seem to have pene trated the brain-case and caused absorption and distorted even the foramen magnum by forcing the medalla over to the right. As there is no evidence of infiltration of the bose, the growth would seem to have been non-malignant, and the displacement of the maxilla and other changes suggest action in carly life - it was probably an delescent fibroma of the vault

Retk The V toe of Naso-Pharyngeal Surgery in the Tre tment f Chronic Exudati Otifi

Media. T Am Ord Sec., p 3, May
By Sung Gynec, & Obst.

A report of the careful observation if thirty four cases of chronic expositive otitis media, seen in provate practice without complications but assocusted with and believed to be dependent upo or still excited by some abnormality in the nose, pharynx r neso-pharynx. The purpose of the study was an answer t these tw questions. What effect po the ca can one logically expect from pasopharyageal surgery in such cases. And, why are so many becaves skeptical of obtaining sathiactory results under similar circumstances?

The patients varied in age from 4 to 30 years and the desiness had been noted as progressing i r persods ranging from ux months t fafteen years.

The bacomabries referred trophled turbinates, deflected sexts, hypertrophied or a benerged discused tonsils, or adenoids. Careful hearing tests were made before and after operation. main reliance for the purpose of comparison being placed upon a test with self-controlled tuning fork. The operations embraced turb nectiony tornillec tomy adenoidectomy and submucous resection. Apalysis of the effect upon the ears, u other treat ment being employed, shows immediat improvement in hearing in thirty two no change in two and in no instance was the hearing rendered more defective. These tests were made within two weeks after the operation. It is also shown by tests made t later periods, varying from an months to five years from the dat of operatio that this improvement was maintained in thirty cases and fell back to the former condition in two in other words, thirty of the thirty-fou ere permanently benefited. The degree of improvement I bearing is not, however considered by the the as sufficleat to justify promining such patients that any f the lost hearing can be reclaimed he considers it the most important thing t be ble to say that the rogress of the disease can be checked and further loss of hearing arrested.

His amover to the first question is, that simple expeditive (catarrhal) otitis media, which is due t abnormal diseased conditions in the nose throat ca be arrested in its progress by removal of these conditions that in such cases the progressive deaf ness can be stopped and further loss of hearing prevented that in some few cases the hearing power may be materially improved. Referring t the reason why some between have been akeptical of obtaining such good results the author states his belief that generally these disappointments have f llowed incomplete or improperly performed sur gocal procedures and be explains the necessity for special skill and care in naso-pharyngest operations done for the otologist. Success of the kind, ttained above depends upon the proper performance of naso-pharyngeal operations so that there shall be complet and thorough eradication I the abnomality without injury t neighboring normal

structures.

Shambaugh The F scial Tonsile as Focus for System! Infection, T in Large, i.s. p. 113, By Surg Cyang, & Obs.

The thor has had rather ext sure experience cases I thus not II believes that the fautial toasils are made more frequently (cours for systemic infection such as cute nd chronic articolar thematum, explinit, acute indicard this, and chronic cardio vascular degenerations than a usually suspected. This relation is more thoroughly appressions.

custed by the leading termists than by the specialist. thor calls attentio t the conditions about the funcial tensil that he has observed in cases where these struct res are clearly shown t be the focus for yeterase infectio A small t neel is as freq ently the seat of uch foci as a the hyper trophied total Quit frequently no ca express by pressure upon the base of the totall excerny rudat which is largely pos Very flee the totalle contain foct of pur causing systemic infection where the patient is not ware that he has ever had in flammation of the tonal. Not infrequently too, the the has removed tonsils hich were suspected as harboring for causing systemic infection here there was no history of tracks of tourslittle and where nothing in the ppearance I the torial suggested tonsil trouble, and yet on their removal he has found in the depths of the tonsil pockets f pos which contained virulent streptococci. Observations of this kind have led him t be less dog must! in asserting from the inspection f the totall, that the structure may not contain for of infection. I any case where patient suffers from chroni focal infectio and where competent internal is unable to discover any other probable source the faucial tonnia should be suspected.

As regards the treatment of tonsils respected of causing systems infection, the other advises the complete encelestion. I children this is done under ether In adults it is done preferably under local anesthesis application of the control of the condensilin, rubbed over the total and the submicross lipschion of ½ per cent novocains solving. The total in dissected free by the use is a scalpel with rounded tip. The total is then removed with same. In dairs kigh blood pressure or slow congulation time are contra-indications. In these cases a stitling of the totalizer crypt is preferred.

Clark The Results in Series of Cases of Toneillectomy Three t Four Years After Operation. T Am. Laryepi. Arts. 9 5, May By Surg Gynac. & Obst.

These cases were, with three exceptions, under fifteen years old at the time of operation. To requests I report, i.g. cases responded in per 60. Only one case had post-operative benearing the service mention. Among the reasons given for tousillectomy were now thank, installities, realistic, credible, or the substitute of the service o

Since the operation, one patient has had nead diphthem to for her had messle, two whose diphthem to for her had messle, two whose diphthem to the control of the processing of the processing the control of the processing the control of the control

both sides thurty-one, and on one sade only in twenty-eight cases. Cases in which there as my doubt of the presence of lymphoid tissus in the tosse ere counted in the affirmative. Some of these were no doubt due t hypertrophy of an ertra capsular hymphoid focus. The soft palate was symmetrical in so cases, asymmetrical in eighteen. In four cases the uvula had been partially or bolly excised. The f cial pillars were normal in mucty six cases, not normal in forty-one. The pillars were considered not normal when one (or more) was beent or when anterior and posterior pillars were fused, or when one or more I them showed contincial contraction. The total fosse were present on both sides in cases (sixteen of these shallow) both beent in twenty-six Carlous and one teeth were noted in twenty-one cases. Three cases of enurests were not releaved. More than half the cases who said they still had attacks I gore throat showed no topol tissue whatever and in many of those which showed torsall remains it was quite obvious that the sore throat was not due t the torulls. Of the thirty-three cases in which torus little was the reason for operation, only one (an incomplet operation) was not cured. Only stateen pa

tients have had a y definit III cas after the operation. The speck was parently manfered by yrmentry of the soft palat or pillars o by loss of the sold to be not as pool to pillars o by loss of the sold to be not so pool the palate and fauces are perfectly normal. Forty-three cases showed one or more enlarged cervical glands but no otne of these could any appropriate be attributed t their presence. In most if the cases in which there were glands there was it noll tusses on the same sid. On the other hand, i twenty-six cases in which there were to mild remains there were no enlarged certain glands. Carious teeth seemed to bear cannot be related to the plants in the case of the plants of the relation to the glands in some cases.

O'Mailey Enucleation of Tonals and Remoral of Adenoids under Gas Ameribada. Brailf J 9 3 1, 600. By Surg. Gynec. & Obst.

The article describes in detail the method of tomal conclusion as derivad by Sinder with seech modifications as the author considers desirable. The use of gas is advected where recepting as convenient and trained assastants are at band. In dishase to the small perparation for general neethers the following nurture is given one day before the operation and war following.

Sodii saletyl Potasa bicarb Potasa, blor

Eiro aromat (BPC) m. sz. Aq chlorol fi. oz. ba.

Dose t dra bits. This is at ea for its local and general theptic action and t counteract any

23 ST

expide becopying from the naw surfacers. The table is placed parallel it window and the operat, stands bet even, using daylight who possible. The pattent is placed on his back with bead turned tow rit the operator for the tomollection and on his right all for adjunction of the back through and on his right all for adjuncted by the utbornes. Ballenger Shader tomollection with dull deright hind and the sket intended for the reception of the blade falled with lend so that the hind, cuts pursas this. The listrament is inserted and the ring threaded under the lower pole of the t mid. The handle carried it shought angle if the month and pressure exerted is that the total comes to be comed to the company of the property of the property of the policy of the property of the puller invertible president and the property of the puller invertible president

through the ring and the blade is then closed down. The adecooks are removed with. Gottistels currette with spring cage t retain the removed tissue. The removal of the tonsils requires about 4 to 5 seconds for each and the removal of the adecodds bout fifteen.

Last B. Forsta.

Dencian Adhesions of Urula and Soft Palet to Posterior Pharyngasi Wall in Girl aged 12.

Posterior Pherryrigan Wall in Girl agad 12.

Free Rey See Med 9 1, vi. 51:

By Son: Gymee & Otse.

The patient was sent to the boughtal because of importest mass respiration. There was no history.

of threat affection and there was no family history of note. A bent probe was booked around the svals which became detached and shrunk to a third its former length. Suggestions as to the probable cause adthemost suitable treatment were requested.

McKerm said that he had operated twice ossimilar cases without success. The best result that he had seen was on a case in which Grant removed part of the bony painte and after the operation brought the surful forward with a suture and attached the sature to one of the incisor teeth. Another method was to put in long rubber tuber, one in each noarm, bring them out of the mouth and attach them outside.

Disparts referred to case in which Spencer transited the rulled-up soft parts with a silver wire and passed the ends of this through the muco periostrum of the hard pulate. Contraction occurred it his case later but no further adhesions. If had a case to years go in which he used the same proordum and there had been no contraction.

ROBINSON mentioned a case he had shown in which lead plate with slik thread at each owner had been bent and passed around the detached soft prilate with two f the threads through the none. The plate was knot in position for a fornight

Minage with and used both rubber tubes and lead ribbons with moderate success.

Powers and that he had obtained good results

with taking but that it should be retained for a long time t prevent readhesion Howers spoke facuse in a young woman in which

be had grilled over the exposed surface part of a bild prepare from which the ski had been re moved. The result had been very satisfactory after period of eight years.

LARLE B FOWERS.

Grove Certain D gers of the Adensid Opera tion. But John E pk as E p 2 3, 2d By burg Gynec & Obst.

Gro e controvers the generally accepted belief that the admond operation is a simple and about 1 tely harmless proced re and in this paper he discusses the most frequent and dangerous complications of this operation. If places them in two general groups first, the post-operative bleeding second post-operative infections. His considers now of the complications in group one is disminsed with the statement that post-operative bleeding with the statement that post-operative bleeding can be of a very severn ast it and he quoters from cases of stems of the telescope of the concious of a very severn ast it and he quoters from cases of state he morrhage after the adenoid opera tion.

The second group, the infectious complications of the admost operation, he considers in great detail, and takes up in his discussion the following period operative complications. Fever general sepais, endocarditis, such frammatic fever the acute infections diseases of childhood, toosillitis, adentitis, and points out their causai consection with the bacterial cottent of the none and mano-phanym. The cottent of the none and mano-phanym. The

suther reports to of his own cases in which, following the adenoid operation there was, a few days later ninfection of the accessory sinuses of the nose

In conclusion be warm against operating between the the there is any infections process present in the nose nano-pharyrar or ear and also dramag local epidemies of the acute infections discussed of thifthood especially if the patient had come into any sort of contact with chairsen if of these drasseas, of which we have the contact with chairsen if of these drasseas, and the contact with chairsen in of these drasseas, or however, and the contact with chairsen in order to be contact with contact which we have the contact which will be contact which we have the contact which will be contact which we have the contact which we have the cou

Groson E Brils

Burgues Direct Endoscopic Examination of the Larynx, Traches, a d Bronchi, Technique, Indications and Results (L'ordoscopic directs de laryn de la traché et des bronches; technique indications, résults) Thire de det Montpéler o 3 H) found de Champie.

This ork states briefly the exact condition of this question and gives some original practical advict from Mouret who edited the paper

After describing the Kiljun electroscope of Branking (neochoocyon tapable I longthouge and external lighting). Burguer describes the technique and external lighting). Burguer describes the technique of superce bronchouspy anesthetination of the laryes, traches and bronchi into occurse the postum of the patient and the course of the examination. In discussing the posturo of the patient be insists a the out resummended by 1 fourte.

Largeslogists to practice superior broaches copy are percented the biname obliteration of the bincropharyngred angle by forcibly extending the beat. A attention is paid to the position of the body or basin as long as the beat does not sible forward. Moreta protects a part the patient in position in Both the trenk and beat all the beat of the position in Both the trenk and beat all the beat of the position in Both the trenk and beat all the beat of the beat of the position of the beat of the be

the back fith chair.
The dvantages of this position are as great in

esophagoscopy as in tracheoscopy

Burgues states that the chief indications for

direct endoscopy of the traches and bronchs are the presence of f reign particles.

A table is given of neighty seven case of foreign bodies in which superior breachcases was performed. There of these cases are Mount's. The drift was cherry stone which had hodged far down in the first beach? If the left broachm. Extraction was not possible as the foreign body could not be reached with the tube. If the second case confer gind we carried from the right broachms of thick, the body of the second case conference with the second case. On the second case of the second case

A complete alphabetical index concludes thus ork.



hich is the most recent and the most complet is the French hagings E. J. valls.

Sunderson Tuberruloma of the Largan. In It I 19 a. Pay 1 B. Sura Gyare & Osa. McKrane classifier to bereafous on groups () because the proposed the largan at the largan a

The first case sported is I made o, can old officult I wallow an issuing or iving down and difficult I wallow an issuing or promot of three The larguageoper revealed pal are growth the broard base and requiar surf extending from the portetion extract of the eight averaged critisps do and let the algorithm of the contribution of the portetion extract of the eight averaged critisps do and let the algorithm of the contribution of the portetion of the contribution of tabercalesas as made. The growth was removed to the contribution of the contribution of the contribution of tabercalesas as made. The growth was removed to preface rabbed with lettle acid. Symptoms of the relies ed but returned in five months. I troduction of the forters caused coughing spasm and had the given up. The patient died of exhaustion sever I month later.

At hereafour, is generally covered with smooth intext motors merculars of a pal gray to stark red color. The ducate is usually found but ent the area of it ently and forty-ster and is falls got it is more request a males and is generally associated with a primary form in the lungs. The results of treatm at it is a few case of true tuberculous intraparel tumor in the absence of any demonstrate lungs charge have been extellent. The was due topical applications could be followed by more or clear complete extra of the parts. The uthous there case and topical applications could be followed by more or clear complete extra of the parts. The uthous there case any count of the treatment and associated in the treatment and associated in the treatment and

Ryall Cancer of the Tontos first V J 9 3.

Syphilit lessons of the tangue lower the esting power the urga rendering t vulnerable t min ton of all know the primary sor to or worall found ther mutous plaques of the secondary wage are by no means uncommon, but the e-persall from the later or tentury knows that dangerous umcie cook These tertuary lessons on ur not only in cases of perfected or impufficient t cases t but also bere the most rigid mercurial treatme has been armed out. All cases of symbol by the means whilst tongue lessons and omen appear be peculiarly exempt. Correlated with the high percentage of principle in the histories. large number are found to be amokers and er heav) smoken. The thor is convinced that en the use of t but discontinued from the onset of ymptoms of syphilis until when, after thorough treatment the Wassermann reaction as not remains negati tertiary manifestations in the tongue ould almost cease t exist, and cancer of the t ngue would be rarel seen. These patient re constumed t having sore tongues so hen the process becomes cancerous the senounces of t is not poreciated The lymphatics are early infected and as there is free anastomous of the lymph channels, though the growth be all on one and of the tongue, both sets of glanch are usually volved. The diagnosis should be definit ! est birthed b excessor and examina ti syphilitic tre timent bould not be de tion pended upon

The treatment is spart ted int there bending to preventive () radical and (s) pellicitive () preventive () radical and (s) pellicitive () the preventive treatment once abstances of sail symbolistic leasens of the tongue should be carriefully exceeded by the sail of the

other side. Under palliative treatment the authostrongly advises the removal of the tongue even in advanced cases. If tried ligation of the E guals and external carotids in the hope of starring the growth but this was not satisfactory lle also tried the i jection of the vessels with puraffin in one case the result was good but cure did not follow Where the lesson is very minute a very wide removal might s flice but the larger operation even then would be best. By an incusion carried from behind the angle of the law along the anterior border of the sternomasteid to opposite the sterno-clavicular articula sion and another from beneath the tip of the chin to meet this at right angles, the anterior triangle is first deared of the fascia, lat and lymphatic glands belonging t the submental, submanillary interior paroted and caroted groups, taking care t prevent training of these as cancer implantation followed by recurrent nodules, or more frequently widespread ed rapid malignant led ration of the hole side of the neck might result. Drainage t bes are i serted before closing this wound t remo blood stanned exudation or secretion from my of the abrary glands, or in case ommunication is castentally made with the oral carty. Thereafter the mous membrane of the floor I the mouth and di reled Doning the long et be the free co milled forward and the h must arteries limitured The tongue is do nied transversely as far back as remable and the mucous membrane of the floor 1 th mostheut red verth at the 31 5 11 votero

Smyth Misplaced VI dibular Co inc. 17th

By herry Cosen, & Other

The pattert bu [6 had tender ciling been think by I lew da later the 'rown [w tooth made its ppearance being directed almost critical downward. The tooth, except for some hypoplasis of the enamed was normal

We examination of the mouth above that both the right latteral torsion and course were absent from their normal positions: the mandible. The instoror the case foreign to eith fact that the child, at bout three and one half wram, received blo upon the case of the course of the course of the course as reconstitution of the course of the course of ene. of the wave-hald directed the tooks do normal ene.

Ochemer Cleft Palat \cw Orlean 1/ & S J 9 3-1 7 7 By Surg Grace & Obst.

The athor here sports that ther has been of mitted the New Oriean Charity Hopatal, between the years you of a colyt case of an complicated hard-by a fifty or case of one lip and cleft palate to hiddren in dults rappear in years from fourteen t thatly to years there have been four uses of hare-lip and non-cases of hare-lip and city palate. I comparing the umber of cases treated in other hopatals, especially by Lazae and Mayo bless are greatly in creen of this report, the author concludes that the desparity of cases treated in Louislana does not represent the unber I readent cases but that most of them do not seek surgical relief, the cause being that on account of the difficulties which the operation presents the surgeous are louth to attempt h.

The author after cling the views of other men and opending from Jacoboan and Steward concludes that the best time for operating is one time before the child begins to talk but drawing no hard and fast mise regarding it. As to the choice of operation, the whot advocate as practiced by most men some modification of the Langemberk operation, and when one side of the cleft projects beyond the other they are brought together its naiver wire source somewhat after the method proposed by Brophy reducing the litermanillary bone when it projects by resecting a portion of it.

After discussing the Brophy operation the author

gives the basic principles which underlie the operation first, briation of tension by absolute return tion of flaps second good blood supply t the flaps third proper coapt tion of broad raw surfaces.

The athor favors doing the operation is two sittings, the first one comprising only the crue of the muco-period and flap then allowing the blood supply to represent when the closure can be necessarily effected. He also diprecutes the subsequent me for antispole and dephyrating such as foregont me for antispole and dephyrating such as foregont me factions (not operative) by gradient barefullar lifections (post operative) by gradient laving, encouraging vounting by inducing the child to dank a large amount of all subsequents.

The thor believes that closure of the cleft before the child begins t talk does remedy the speech defect, and even though it be done late the defect may be overcome.

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INTERNATIONAL ABSTRACT OF SURGERY

SEPTEMBER, 1011

ABSTRACTS OF CURRENT LITERATURE

GENERAL SURGERY

SURGICAL TECHNIQUE

ASEPTIC AND ANTISEPTIC SURGERY

Aperio Disinfection of the Hands in Surgery (Solla delacenose delle man in humps) Clukur 9 1 x 3 3 By Zentralbi i d ges Clur Greingeb

In an extensi series f experiments the thor has endeavored to determine the value of the various methods of districting the hand Dunne the different phases of the operation the fingers of the operator a reedipped int a sterile per ent gelatine solution for 5 seconds. They a ere rubbed gainst each other. The gelatine had been hardened by frees ing ith ice nd kept for eight t ten da s (18°C.
The a thor comes to the follo ing results () Continued washing with warm we ter and scorp we a sterile brush, as not sufficient to remo to the germs from the skin the result is no better if the washing is continued for a bou Drying the hands with a sterile towel has no effect. () In order t reduce the number of germs, the ction of alcohol is induspensable Cleaning ith alcohol ithout previous distriction with soap nd water gives the best results it is t be recommended t all times for disinferting the skin previous t an operation. (5) Washing the hands with per cent bachloride of mercury sol two after the usual method of dista lecting has no effect the umber of germs in the akin. (a) During the operation the germs migrat from the hands but the wound, and in spit of this migration the wound heals (4) Hands washed for ten minutes i a ter then for ave minutes alcohol and later covered with gloves, re acqually sterile the gloves must be put on properly and washed once more for t least 60 seconds with alcohol. (6) The staphylococrus albus and the ordinary saprophytes of the air are found most frequently on the skin. (7) The concentration I the skeeped, its admisture with iodine or bether it is its dentumed form, is of

oo special import nee

I conclusion, the following methods are recom-

For emergency disinfection wash for ten minutes in skethol (70-9) per cent) either grain or wood spirits. For ordinary disinfection, wash with sater and scap for ten sal utes, and then f r fire minutes in skethol.

Gertano Disinfection of the Skin with Tinctur of India (Courses effect-water) desired was dela pela contatura solica; Gent. & sp. del. Milano, 9 1 xxxx. By Zentralki, 1 d pm G) nak. Orbortak a. d Grenageb,

Most of the Itaha surgeons is or the use of the Gross method of disinfection of the skin with the tincture of lodine I various Italian clinica it was determined by means of bacteriological experiments that the results were best when the tincture f lodine was pulpted on the dry skin, and that it was not so good when soap and water had been used previously Probably after washing the skin with soap and water the soline is not able t penetrate the excretory ducts of the subacrous and awent glands Some disadvantages were reported from several clinics from the use I the tineture of iodine, e. g. eczema, crythema, and toxic albumin ris. Three post-operative cases of death (Blesohky, Moscowitz, P tris) have been reported cotaid of the Italian links, where the cause of death was charged to the use of the tincture of jodine. The wthor thinks these three fatal cases extinot be due t the ction of the iodine alone and that the other injuries mentioned abo a could have been avoided by the proper use of this method. H uses a freshly prepared solution of six parts of iodine to oo parts of 05 per cent alcohol, paints it on the dry skin twelve minutes before beginning the operation and once more two or three minutes later. In a series of 350 cases prepared in this manner for operation, he reports splendid results DERBOID.

Liermann Modern Treatment of Wound and First Aid (Moderne Wassichandhaug und ersta Wundernorgung). Zenträll. J Generick. 9 3 4, By Zeniralbi. I. d. gen. Chir. u. I. Gemegels.

The author recommends the holm good and introduced by him, consenting of holm alica, alrobol and gircuita, and his holm soops for general way. The way simplifies the skin distinction by the hands and of the field of operation, only three minutes being accessary. Water and brank are superfluous when the past is used, as are all other chemical antiseptons in the preparation of wousds. It is cheen (on open sufficient for fifty dressings) and can easily be carried anywhere in small place. These are not all the advantages, as it is infimuminate and controlled the conference semilation of instructions.

AN ESTRETICS

Delajenihra General Annetherda with Lessenad Carculation of Exclusion of the Fear External ties in General Annetheata (Lestech general concedents relacible destinate de los contro miembros en la abratesa general). Cinam mai q n, d sai 1 a, 4 hy Zentzibl. (d pra. Chir n. i. Gernagola.

This has well the method | 1 at cases of theoretices of 15 at cases of theoretices of the process. It is followed to be a second of the process of the proce

Regarding the influences which the diminished circulation exerts upon the whole organism the following is important respiration is quickened and more superficial. Detajenters has observed verage respirations of 30-30 per misute. The polymes begon to regress the moment one binder s removed and returns t normal only when all the binders are removed. The pulse remains unaftered. The blood pressure drops s-y cm. A recals sets much more rapidly than with the must method. Usually five minutes are required to produce deep sieep as contrasted with more minutes for the customary membesia. This advantage is seen ever cally in parcotaing alcoholics. The mount of assessantic required is about 50 per cent less. The patient wakes up much more quickly and t times may wake pinnediately The greatest drantage seems t be the beence of the organic disturbances which so frequently crompany chloroform narco-Comiting is much less common and less severe

Post operative albumbanda is practically beent.

Delajorière frequently noted the distinct d

vantages of this method in collapse. The loosestur of one or two constrictors suffered to overcome this accident. Entirely part from the diluting of the blood saturated with the sarcotic, the blood from the extremities, loaded as it is with carbon dioxide. has an important role in stimulating the medalls oblowgate. Thrombophichitis was seen by the a thor in only four cases three of these were grace cological is hich the pressure of the leg rests on the delated populted veins may be blamed. The t o deaths seen by the athor cannot be ascribed t the anasthetic, because both patients had been given up before the operation. The author considers severy myocardita and phiebetitis as strict contra indications. Absolut indications are affections of the liver and kidney as well as alcoholism. Tet 101

French Nitrosa Ozida Gas, Essence of Oranga, Ether and Acquestration I General Assenthesis for Operations I the Upright Position, VF M J = 1 zero, of

By Sorr Grace & Obst.

The author expresses the bollet that more diffusioperative work can be done less blood fort and less assertable required in operating in the sytelph position. There are also less en diagnetable a partona darfag the recovery stage. A new operating stable-chair is presented. Some saling this tablehair there has been marked improvement in the condition of the patient during and after the opera-

The stage of excitement can be bridged by altrest axide but in the opinion of the author it can be done with greater tase and certainty with the essence of orange and other. It aquestionably requires large experience with the administration of nitrees tide gas to enable one to dovetall I so accurately with the other which follows that the stage of excit. ment will be elemented. From tests which were carried on for over yes the author is corroced that shork from the loss of blood and from the unerthetic can be materially reduced by the maner of administering it. If states there is no question but that hemorrhage is reduced if the animalietic from the beginning is smoothly administered, the second stage omitted and the patient brought to full surgical anguithens without juring or body diturbance of any kind. The uniform employment of helpful mental augmention by every individual i contact with the patient up t the time of induction of amenthesia assists in preventing an exceptive disharge of servous energy through fear—hich is one of the elements in the "aport association—of Celle-If Induction has been satisfactory the mesthetic not only should be, but stust be i me y cases, disaloished in quantity or withdrawn, as soon as the upright position has been attained, t prevent narrous be-coming too deep for safety. When refleves begin to response the anesthesia can be contioned by the occasional administration of the vapor through the mouth. The fact that only half, or less than half of

th usual quantity of ether is required to maintain an extensia with this method should not deceive one into believing that only partial angethesia is ob-

tained for it is in reality a full one. The sequestration method, in association with the upright position, which has been carried out in fifty right cases reduces still further the loss of blood and the amount of anzethetic required Full anzethesia is maintained for filteen to twenty mi utes after the body is brought to the upright position and the inhaler removed. The verage blood loss with the sequestration method whether pplied t arms nd legs or legs alone, is far below that hich occurs with out sequestration, and certain perations which with ordinary methods are usually trended with a large loss of blood may be rendered practically bloodless b t use The method consists in producing hypersemia of the limbs by means of I flated blood pressure cuffs. These are polied t the rms and legs or t the legs alone. It reduces the amount of blood in the head hemorrhage occurs after releasing the uffs. The amount of pressure made ith the cuff aried from that needed to produce complete obliteration of the pulse and that needed t produce only a slight hange inj ry t the nerves was noted. This is explained by the fact that the pressure was distributed over ide area and that I was mad by Semble air bag pressure as maintained from the ad of the adu tion stage t the time of completing the operation. B his method the operator is therefore enabled dminister smaller quantity of an neetheric and obtainfull amesthesian to see the patient put t sleep without the stage of excitement to stop the administration when the body is brought to the upright positio and yet have the aniesthesia pro-

longed enough t permit relatively long operations to be performed to secure a greatly lessened loss of blood ad to insure reduction in, ad many cases an almost complete bolition of the disagree ble after-effects. It is thus that operations are robbed of their terrors for the patient

EPRAND L CORNELL.

Injury of the Phrenic Nerve in Local Amenthesia of the Brachiel Pierre (for Fuge der Pirenicustifienung such der jokalen Autsthese des Pierus brachisius) Zeutralit f Chir 9 3, st. 507 By Zentralit f d. ges. Chir u. l Grennich

The author reports a case in which he had occa sion to induce local asserthesia of the bracklal plexus oman so years of age. Though in other cases he had al ye found the piexus very easily here he was unable to find it even after a long search. The patient became restless and complained of severe pains at the point of injection. The operatio which was not pressing, was given up and the accelle althdrawn without a drop having been injected. The patient went home Immediately afterwards severe pains began over the entire left side of the breast and gradually increased in intensity Breathlag as embarramed and the patient left very sick.

For the next few days the brenth sounds on the right side were markedly decreased. There was no fever the pain gradually diminished and after two and one-half weeks disappeared entirely The author thought first of a accidental intercurrence of pleuritis, but the chinkal picture did not confirm this apposition. He thinks it most probable that an anomalous branch of the phrenic nerve was in fured by the needle or perhaps there was an un namelly high anastomosis with the brachial pierus. At my rate a certain amount of caution should be observed anxisthesia should not be performed on both sides at the same time and the injection should not be made until the presence of parestbesia is determined. KULLYKLYDTT

Rost Anatomical In estigations of Som Catanrous Nerves, Imports t for Local Assethesia, with Regard to th Point at Which They Pen trat the Fasciss (Austomische Unternehmgen einiger für die Lokalantsthesie ichtiger Hawtnerven bezüglich fürer Durchtrittsmellenn durch die Tanden). Dentsche Zieche f Chie

by Zostralist L. d. gro Chi L Greenech.

Rost calls attention to the variations in the point of exit of the cutaneous nerves through the fascia As result successful local anasthesia is often rendered rather difficult. To intercept the cutaneous perves of the a terior surf ce I the thigh Rost ren ommends the infiltration of the operative field as well as the skin and fascia beneath Poupart ligament and finally the trunk of the femoral perve should be interrupted. Because the cut neous nerves vary in this region no roles can be laid down for their | jection. The cutaneous perves of the cervical please are sax-sthetized by infiltrating them at the posterior border of the sterno-mastoid muscle, as they cannot all be reached at the middle of the muscle border as is often claimed. T anesthetice this territory properly the great occipital nery must he interrupted along its course as well as along the lines nuches superior and parallel with the border of the traperius as this nerve is in communicatio with the cervical group. HIPPORTS.

Meyer Local Amenthrsia and Amenthesia of Nerve Tracts (Relitige for Lokal and Nervenkel-tungumenthesic) Bedr a Min Chir 0 3, hritisi, 130. By Zentrahl I d. ges Chir u. i. Grenarch

uthor describes as fragmentary local anasthesia the process of anasthetizing only the skin at first, and then the deeper parts during the operation. This procedure makes it easier to find operation. I am processors makes it easier to find the large nerve trunks, because the patient can localize it himself if slight pressure is applied over the region of the serve. Moreover, it sometimes alds in the finding of deep-seated foreign bodies. Meyer also suggests anesthetic solutions in inflamed the ca. He believes that sometimes healing takes place more quickly when this is done, as inflamma tory processes are inhibited by local angutherie. In replacing fractures, be has found it advantageous to I ject appeathetic solutions to the alter of the fracture. If also recommends the injection of such solutions int the joints for diagnostic purposes,

and in making passive movements in chronic arabritis. For an eatheriz of the shoulder region, he combiles Kulenkampff' plexes nesthesia with the climbastion of the supraclavicula nerve by linear subcutaneous injection along the edge of the sternocleido-martoki muscle Moreover the Intercostal and intercost bracked nerves are cut of by senal injections. For operations on the hands, he blocks the ulns nerve at the ulnsr epicondyle, the median nerve t the ulnsr sid of the brachial artery ad the radial nerve t the aloar side of the appendior longus muscle, which is put on tension. The dor sal cutaneous erve is reached by a linear infection between the olecranon and the radial epicondule For operations of the palmar surface of the hand. be recommends the interruption of the three chief pervex in the region of the wrist joint by Braus. method. LAWRY

Schlimpert Concerning Secral Augusthesia Jurg G mer & Cha rors, mil 458 By Surg Croser & Obst.

short review of the history | sacral angethesis (Cathelia, Stockel, IA en and Gros) Schlimpert describes in detail the technique as used t the Freiburg Fraueskimik for low and high ex

trad rai meschessa. A fairly deep Discomerschiaf a brought about by giving versual (gm. th eve ning before and is gon the morning of the operation) a d scopolamin-narcophin, some hours before op-er tion. The sacral canal is punctured by latrodu ing a hollow t be into the canal through the histor camaba sacralis. First, test finid (N CiO o per cent) is injected t make sure that the secral canal has been entered easy injection and no autouta-peous swelling should be observed. By lowering the privis it may be determined bether vein of the excral piexus or the lumbar cavity has been punctured - blood or water, fluid will then issue

For amenthetizing warm (35° C) solution of norocain is blearboart of sodium (Litren) is used. Adrenalin as doled and, t prevent the adrenalin being oxydized in the likaline field,

natriors sulforcered

For low mesthesh (below the symphysis) a6 got, povocain is considered the normal dose for high angethesia (abdominal operations) 0.7 pm. More or less is given according t weight of patient age, cachezia, icterus, quality of Dammerschiaf and probable duration of operation. The doses vary between a g and S em.

The results for low mesthesis are Duration from three fourths to see and one fourth hours of A cases, I fix (SA4 per cent) the mesthesia as complet while 3 (4 per cent) were fallures. For high menthesis d ration about three fourths hours, of \$4 cases, 50 (46.5 per cent) were com-

piete to (co per cent) were failures. In the rest, some inhalation-narcosis had to be given, the amount being generally small (o- 1 am.

I collateral action consisting I general pallor due t a fall in blood-occurring was observed for a hours. No after-effects (post-operative youthing or headache) have been observed.

Seilert Remme of Literature Concerning Alypen (Sammairrichat Mort Alypin) IT Styling (Mend) of Gory-Gold of probe, Med y 3, xxxx, Sopol.

By Zentralbil I d. ges Gynak. Osbortala d Grennesb. Alypin is an improvement on other annithetics, according t many authors because it can be sterit ized became her dissolved it is very durable, and finally because of it non-poleonous action (one half as polsocous as cocaine) A solution of "g per cent of alypin is used as local parithetic in arethra and bladder In one case crording t Garasch, dyspoors, nanscu, vomiting distincts, hallsciss tions and cramps followed as injection of 5 cc. of per cent solution into pretiers. In surgery used as infiltration angethens with atrength of 3- per cost Kromer is ected 5 to ca. of per cent solutoon of alvoi an the procosa of the cervix with good results. Alypin is of httle value as messi annathetic because of headache backache, names, vomit ng collapse, dyspours, occordounces, and retention of urine a high followits jection into the spinal capal. A to per cent salve of slypes applied to painful alcers gives great relief. Alyps as a valuable executhetic, for it has so many good characteristics .

SURGERY OF THE HEAD AND NECK

nd so few bad once.

HEAD

Tenmenz nel Gt eety Primary Epithelienen of the 5 branzillary Glande (Epitheliene preszil de la glande tous-mazillary) Bull, et mem Ser, and de By Journal de Chirerpe Per 93 27 6

A man 50 years old in excellent general health noticed graduall growing tumor in the left submaxillary region. On palpation there was hard, painful mans the size of pigeon egg hich was adherent to the deeper timues but not t the skin. The lymph glands bout it rolled under the fingers. I the absence of an lesson in the mouth or throat the diagnosis of primary carcinoms of the submaxillary gland was made.

Uota

At operation ternor as found high as ad herent i the periosteum and muscles. It removal was accompanied by thorough curettage of the

repose of removal of the tasues and lymph glands involved and of the carotid glands. To months later the patient returned the local recurrence involving the marula finor of the mouth and the profile body. The mirror has reopened but the operation was manuceasful as was treatment with recessed and reducible forms.

opper nd radio-therapy
listological examination abo ed that the gland
was knost entirely replaced b
ma, part of hi h was gland depart contained
ertitlehal pearls. There were no pearls in the in

volved lymph glands

The uthors think this is primary curcinoms of the gland. The presence of the epibellal pearls is replained by reversion I in cells of the gland to their primitive type. In his that of the cells of the floor of the mouth from which the gland develops.

Coughli Partial Operation for Carcinoma Involving th J was Interes If J 0.3 TC, 43 By Surg Gynes & Obst.

This paper represents the best type f contribution t practical limb I surgery. Coughli t kes as his thesis the fact that surgeous are as rule content t sche a reasonable mount of soft parts that are the seat of mere but that as soon as home is involved the operatic proced re adopted is

usually mutilat ne one The outlook carcinoma of the fau is bad enough, I best but I is nevertheless not necessary t remove more home proportionately tha soft parts. Of course ther are cases dema ding the removal of a hole I a but Coughlin does not feel that it is possible t from up spec fic rules for guidance as t when the more and hen the less tadleal operation is t be performed. The results of partial operation i mouth cancer (removal of the growth with fair margi of normal turne followed by ctual capterizatio) re better than those following the radic 1 operation tremoval of complete segment of or the ent re saw) but this may be due to the lact that the partial procedures re countially indicated the calls ares. The disadvantages of the radical operation re percented shock, mutilating deformity nd loss of function. According t the churcal experiences and observations of Coughlin arcmoma invades to less rapidly that t vades the soft parts. After Il the crux of the altustion lies making a carly

diagnoses

If patient over fort has the first level or about the mouth suspect cancer. Remove all possible sources of trit itoos such as jazged teeth, bad plates, rough or host 1 pestem et keep the bad plates, rough or host 1 pestem et keep the bad plates, rough or host 1 pestem et keep the bad plates, rough or host 1 pestem et keep the bad plates, rough or host 1 pestem et keep the bad plates, rough or patient made, or give nel-styphilitic treatment ustill sait skeep that it is not losels. V subcer that does not skow signs of healing under f if doses of potsessium olde and mercury after three weeks treatment, is not syphilitic. Then issue on making section of the edge of the leve Remove small poston.

securing both healthy and unhealthy thane and he is the same examined microscopically by a competent pathologist. M. G. Szerro

Kettien II Fibroma f the Maxilia. Proc Rey Sec Med 9 1 1, Odontol Sect. 51 By Surg Cypec & Obst.

The patient, a dailyman agr. 3 came under observation with a large a filing 1 the month. Two years previously an attempt was made to extract what authorized to the control of the control

After scaling the teeth the right maxilla was removed. The specimen also rel a dense growing to the alwoods region with a less dense free growing mass extending at the attern which was practically biliterated. Patho-histological section aboved

dense fibrous growth of connecti w tusue
H A. Porrs.

J litard Sub-d rai Intra-trantal Cret of Tra matte Origi ; Jacksonian Epileproj. Amelorative Trepantion (Kyale Intra-transm soredard doughe transmittee, épileprés Jacksontone, trépantice ambienties). Bull d'arma.

See steckir de Per p.3 2007 334

By Journal de Cherurgie.

The thor report case of serous cyst in the brain of boy t lee years old This followed a shall i cterr erelevel infancy. The cyst was tocated it beloands rea in extended down to Brocas repo Tollowing the operation the boy improved, but he had tecurrence of the epithepti form ttacks, which were releved by withdrawing or co of serous fluid through the operative wear

Auvray working for the thor collected seventy aine cases of i tro-cranial cyats of traumati origin. These be divided int intra-cerebral and meningeal cysts, th latter into extra and sub-dural cysts. There were thurty-eight cases if tra-cerebral cysts. Whether m gle or multiple, large or small, whether containing clear or bloody serum or blood these cysts did not develop rapidly. There is nothing characteratic bout their symptomatology Pathologically those developing rapidly might be due either to transformatio of the tranmatic harmor hagic exudate or t the formation of real closed esvilles! the pas mater or sub-arachnoid spaces due to excatrices int which finld is excreted and from which it ca not escape. The slow (rming cysts are on the other hand, due t a degeneration brain substance following traum or changes in the brain follo ing hemorrhage into the parenchyma.

There are three methods of treat| g these cysts
() simple puncture which is insufficient () inculon

and eva uation. hich, th box mentioned case is pit be followed by recurrence (3) turns tion is the method of boice but is not always policable as execleation often leaves defect. The oper tion is erv severe add pt to be followed by bemontuse shock or injection I Denos

Jones The val of Mallory Connective Time Stal for the Demonstratio of V ri tion in Thyroid Colloid. J Ers 11 9 t. rail, 54 By burg I vacu. & Olist

Jones ha sought differential stat for there solune the th road offord ail f ad Mallory use at I be as refactors. If found onne med that the t onsection thintatio of th tissue by Jenker il of or bulkland of mercury direon rain the judge ont at as evulenced by na alki hero al determin tum maline leeds a acid test t be experiment A dight me include of the method described by

then III at journs in the best re the most set to come omit ng the I forthe policy name and in hith mee (nel In olloid maining three saline nal Hua h I blue not that he bedoes not he Or nee t Both resetuments often sta m ь el aum be seen the same all rule J I terms II

Kerech II Stab Wound in the Left Temporal Region of the Boxin (Is do Leture codymerod) Such erictions der linken Schlafengegood). Hann med II da de hann eto Hy Zeneralka (d ge (bur Greensh

Look in all 11 bugst the kill the po mering t singers bread in over the left sternal utilities meating 1 movable bone frag mit titraded. It first he had no other 3 mpcom cpt aph ma le is not graphia; but on the set the day there as we terms present th don pulse increse the ph an restlessness

nost nod defines the just as found that the ound had penetrated the skull nd had med the formation of hamatoms. The of enous remarked not extended done four cent met is tat the brait substant. The lesson as healed and the phasta used fter seven eeks. There no not bi disturbank to his spootane out specific creating form discotroice 1.04 both from dat tion and from spo t acou thought as iller read natabourf The physia therefore caused by the pre-

preof the hematoma producing differed; t rhangthe brain bthout us; f the speech cut Besides stance tself

Von Eiselsberg Bruin Surgery (Gebrechnurge)

Deutscher in Kong 3

Deutscher in Kong 1

Deutscher in Kong 2

Deutscher in Kong 3

Deuts

The statistics of the one bindred industrial of cases operated his clime ith the diagnosis of bra tumor re given in detail In abity-sine cases

high er diagnosed as cerebral tumors, there ere twenty in which the skull as opened and nothing found seven of these died. In forty cases the cerebral tumor as removed with nine operative death fi from ment gittle (to t of these drainage as established nel I three the dura was left open) Man others died of the tumor fter (es months, bile few ded from recurrenc Three eem used benefited on crount of diffuse glioms, et \ne ere cured al improved. The results

ere more favorable in tumors of the hypophysis. witer wer ther one four deaths and tiel e ures or raprovements. Among these there re-three cases of cyst. II ecogolies meninguisscross onl as amptom not as discre for se Of three sich west ore not cured. Americans of excluffar t mor died after the first operation in t el nothing found and in oal, eight wa the t mor found I ontrast t this, the diagnose of tumo of the aditory ners confirmed seven tern ases. T patie i died for the first steps

the operat leven had a more larger than egg oil not less that ten of these died. In the fut re t wood shock such ases he will remos the tumor precented ad on count of the relative be unit of these tumors he does not fear dissembles tion from lessing remains. The oriention as en en an case of t more of the both solitory nerves bere blindpers and dealers ere alreads about to di bere there was no bradache cases of entry to drawings died in one of high

them tory hanges took place round the drain-age t be f the true the organ callogarm ill be punct red I some ses the presence of 3818 as not recognized because the content ere six taken for erebro stanal find.

t les me lact ten given before operation for it arquistra ba nottlegees book as tolks like i as de afect at for the cerebe spanal fland. Novoear adrenation is the narithetic used in the first step of the operation. Plastic operations on the d ra ereperformed, using the lascus lata in fourteen cases t of both died. This procedure seemed t decrease the danger of infectso. Menuagitis as observed seventer times four f high followed tumors of the h pophysis operated by the nasal rout. Kname in t are the number of cases, had no infection. This diff rene as att buted aside from base t onto-ion temporati g drainige nd the ordition of the patent. Meningths do not or ar mong the pri t uses. Probably also the decayings are changed too seldom. T ent mine natural, they I about and parabose of respira tion. This number all probabil be decreased ith greater experience more caref 1 autrol of bleeding and racemeal remos I of tumors. More import at tha Il these however is early diagnosis Even though the result i operations for brain t mor are much less f vorable than in other forms of swretcal procedure the operation it is all its discres seems fulls first hed hen the muserable conditio of the patients is considered KATER VEITERY

Brain Surgery (Gehlrachrurgie) Destscher Kraues che Kong 0 3 By Zentralbi f d. ges Chi 1 Greenweb.

The results of the operation for cerebral tumors have not been as favorable lately because of the increased a most of operations performed. It is however inducated in all cases as soon as suspecion of turno arises. Turnors of the posterior crantal fours, those of the cerebella subst nce and even those of the vault of the fourth rentricle give a fairl good prognoms. His permanent results i tumors were especially had in cerebella pont forty cases only four were satisfact ry. The tu more were always large and involved the pons and medulia rendering the diagnosis erv cusy la the diagraces is relate ely easy it is best to bial these cases for operation th early stages

Arause operated hypophysical tumors ecording all of the described methods once according t that of Hirsch This method requires special rhinological training nd ffers no advantages t the surgeon It is t be preferred t Schloffer method as it les es no destiguent scars ad does not lead t ozorna. He operated seven tumes ac rding t Schloffer method, but as able t emove the entire tumor onl n. If therefore returned t his own method f operating through the f rehead patient operated pon by this method four ad one bull years ago for tumor the use of plum has lost all symptoms of acromegaly and the meases have returned. This radical method should all ya be employed i case uspiction exists that the anterior lobe or any of the neighboring part of the brain are involved

The athor concludes that meni gits serous of the cord is climical enuity as several cases have been cured for five years. If also has a complet cures of the much rarer serous meningities of the brain. The meision int the posterior commissure is borne without danger if made in the mechan line The author has mad this incision several times t locat an intra medullary disease focus

VON EDERINGERG IN discussion, said the presence serous premingitis f th brain is not the cause of severy disturbances and that the disease is diagnosticated much too often. Several observations have taught him that it is not executial to remove the entire t mor i operating for hypophysesi tumors.

Walter 'Th Histological Structure of the Pi est Gland (Oper den Histologischen Ba der Zupel-Abhandi d naturforsch Godrune: Sdangab

By Zentralbi I d ges Chur Grexuerb.

Hutological investigations of the pineal gland with certain gold stain (the details of which re not given) and with the Bielschowsky star yielded, in contrast to the results obtained with the ordinary staining methods extraordinarily complicated The septs f the pla and venels are structures. surrounded with a num rabl small button- and club-like atractures attached t ends of very fine strands, causing a dense network. These and threads run backwards into thicker threads and finally are lost between the cells of the parenchyma. The author believes they must be nerves and erve endings, which they simulate i staining. Almost all parenchyma cells have number of these strands the beginnings of which are stained similar to the narrow plasma around the large round miclel. Alongside these round cells re a few larger cells resembling in part pyramidal cells. I the cortex and motor spinal ganglion cells, with abundant plasma, indefinit nuclei and numerous projections. I addition, smaller polymorphous cells with many fine atrands are found i the septa, each provided with a club-fik end. No e of th cells have to colinder the tigroid substance and the fibrillar structure is missing. The sympathetic character of the cells cannot be discarded without layther proof

(Catal made similar observations on rabbits) It is bilely that in every case between o ad 62 years ells will be found that bear a definite relation to the function of the ympathetic nerves of the pia and choroid plexus, probably being I decisive arg-nificance I the formation of the liquor cerebroarinalis. TOLER

Dana and Berkeley. The F notions of th Pineal Cland, with Report of Freding Experi menta. Med Rec Dy Surg Gyper & Obst

What is known a present if the pineal gland comes from the following sources Experiments on animals, experiments a th extracts i th gland, cimical od pathological studies, and consideration of the embryology and phytogeny. The literature of the diseases of the places giand gives some evi dence that lesions occurring in the young cause peculiar disturbances I nutrition, such as increased growth I dipose tissue stimulatio of th development of the sexual, the somatic, and perhaps the mental functions.

The pincel gland in man has become a glandula rgan with secreting cells and probably a few nerve fibers. It tends to undergo deterioration t about the seventh or eighth year but up t that time may be supposed t have some function.

The following experiments were carried out with the glands f young bullocks

The nucleoproteids and entire gland extracts were obtained and injected int the veins to test the effect on the blood pressure. They were also injected into young animals

(rabbit and guines pigs) for a long time to determine th effect on tration. 3. The whole gland was fed to defective and re-

tarded children

Their provisional conclusions are

The pineal gland as the vestigium of the special sense organ of vision in invertebrates and certain low vertebrates. In man it has practically lost all the structural characters of a sense organ and has those f glandular b 1. It undergoes som in vol tion t bout th seventh year 1 life. 1 the early period of lift. I be influence over by lift wirthout nebudy g the development of the

gen tal org the deposit of subcut neon 1 t general gr the ned mental progres

3 I tract of pland pland of bulkels jected It the en of dogs he no ffeet on the bleed

pres re

4. The me trait fell to bables uses an lacre seem tobble to the enderced by the increase in me agencies masted by the fin

L (Da

Rorachack T thelogy and Operability of T more of the Pi end Gi and Zur l'a belong and Operable at der Tumoren der 2 beligne – Ro

h Zentralia i d pro tible Greaterly

The part est in 20.5 rookly in howe family build and remain throat does but directly on urreal, presented the following purposes come of the control of the

th i may just men litter a outcook in the hall been made or per terror part of the k B the part at dard. It tops tween of the part gland was found mural pt fraction that entitle overlagth region of the quedict and flattering the error organ quadrigerables. The hat heigh I barnes ghosarrorm agriglio.

lot yearen sen of pine I gland t mons mostl surrom ta tom to nd er tomato re described the later or The male set bet con the rest of

the liter or The male at het centh ges of all ro ears is decided, predoposed. The size of the tumor nestrom hards 11 that of hid nes. A kar territic topical infrome cannot be set don. The impleme of t mor of the orpora quad genu at suport t, in the se they ere out partiall present Adipose as and do gen alum are frequent as II errbellar ataxia ad und der rhances Brad rilla ma be aberna the tumor more commonly grow t and the third entricle ad do not unrolve the agus center. Of diagnostic guincance perhaps are the fairl reg lar nd periodic remissions ad exacerbations of the general ymptoms. Tumo and perchous are independently due t f alt development of the alage. The local d position of the poor I gland cern is an online t Marburg, haracterized by the fact that I ornigled uh the glu consective was tone of the pure error root and because therees

I amous types corleace Pineal gland tumors ma be tracked I two condigit a perincula of Brunoer on the call, or The first as is from allow the low flap present ing do and between falt cerebin and beningher their this operation and the corpus ciliaton perforation of the men and could uli glowers with the region. I the corpus quantification. The second method cassat life entry a better created the perforation of the corpus and the control of the control of the corpus and the control of the corpus and the corpus and the control of the corpus and t

NECK

Tra timum. Thereulosi of the Lymph Glands of the Neck and its R lation; the Tocsils and its late (the Haldymphtraembershoes mitter licebring moral Tecclion and in large). Manket and it hands y y its 80 pt 2m mil 1 d get Chi. Gronzeb

Orth proved spenmentally the existence of primary t bereakly of the total. This discovery alled forth a series of tribution buch designated the totals the portals I entrance for tubercle hacille w h t berealess of the lung following, subgree other discuss it millurories. The theory that the safetten transmitted through the here's to there as disproved by Most by natona I meanh buh sho ed that there were no lymph exect parsing from the next glands to th hears. On the other hand, second rg t Most, tuberculule of the I mph glamis of the neck own its ones to focus of niectura us Waldeyer's hmphat tracheal or od hiedy in the palitime t mil The per cheal important, of this fact is illustrated is the following we

Vilings i bercular above the glands of the left side I the neck w opened in an electric starold pri with beath langs. Visuals remained to later operation a peaker of deep-scated aroungland was respected. Ad later the p-

seon gland on removed. Ad a liter the pour th beathpy let fouch was enswed the meroscope examination at house templat peak the H of Langhane par e fill. The other der. the important conclusion that in case of the r loss of the exit plands obtained their removal, the corresponding tenud should be completed extrapated in order to add the constant desermination of the primary tuberculous forces to are glands through the firmful procuper.

Kill mer: A Case of Hyomandibular Fistula (Du Hyomandibularistel erse seus Form der angebor enen Habitett): Dani de med Hicknicht: 9-3

enen Halschold). Deat he med Websteber 0.3 xxxix also. B) Zentrallol (d ges Cher. Grennych.

The uthoristics case of congenital i teral latitude of the neck communicating ith the cause of the ear mailoranton boot his noth gaustogroup be found in the literature. The case is that of the conjugent faith of the conjugent faith of the

girl, eight years old the persustent fistula of the neck which was located t first to the lower purt of the boser jaw mid ay between the chin and the angle of the jaw but which in the rounse of the year approach more and more unwards in the direction of the set. The faults was combinately discharged from Now and then, benonceneous duid discharged from the tuttle are it the operation which consisted in excision of the entire fishions tract, it appeared that the fartish operand into the external measure.

According to the opinion of Klasuch, the ordino of the congenist fistuals of the ear is to be traced back to an arrested development or malformation in the region of the first branchial civit, the fistual rathing its ordin from a manual persisting in the region of the first branch persisting in the region of the second persisting of the region of the second persistence of the region of the macroscopically by Klasuch.

Marine Th Evol tion of the Thyroid Gland.

Bull, John II plant limp 9 3 mm, 67mm & Otsa.

By Jung, Gyme, & Otsa.

The thyroid, while it does not play an essential role in ou co ceptage of verteur tex, is neverthe less one i their most constant d have tensue structures - existing in the min anatomical form from the dult cyclostomes throughout all the fahes, amphibaens, repeiles, birds and mammals. Marine shows that morphologically the endostyles are (undamentally identical in all. Circlostomes fishes, amphibians, repulles, birds and mammals are the only classes of animals which possess duct less thyroids the follocies of which as snat micelly identical in all. The most important if the colthe his concerned in the formation of the ductiess follicles is that form hich is continuous with the links epithefium of the duct and pharyngeal grooves. Studies in the embryology of the ductiess thyroid have shown that, in fisher, amphibians, repuler and birds, the thyroid armes solely from a median, single, ventral downgrowth of the pharyngoal entoderm in or slightly anterior to the first sortic arch. In mammals this symmetry of development was believed t be departed from through the discovery by Stieda of the so-called lateral thyroid anlagen from the fourth or more accurately in man, the rodimentary fifth gill pouch but the work in the embryology in the pathology and i the developmental defects of the thyrold during recent years has shown that these lateral bodies which I mammals only become imbedded in the lateral thyroid iobes tak no part in the formation of thyroid gland Tan solution of the origin of the mam mahan thyroid from the single median ankage har montes the location and development of the endortyle with the location and development of the doction thyroid. The thyroid mechanism, therefore, irrespective of the possible phylogenetic role tionship t the chordate stem of the several classes of animals concerned appears to have been seeded through a direct line I descent from the mulcates through the amphiorus, fishes, amphibians reptiles, birds and mammals. The meager evidence of

the physiology in both the endestyle and the duction thyrold gives no suggestion of an inter-chalce-sibp rimerion. Primarily the thyroid is part of the almentary tract and in its endestylar form is a digestive gland of great importance through its probable external secretion. In its ductions form is a to not the strophic remains of its ancestor which, while it has suffered a corresponding distortion of ingestion, strong in producing influences the salmal's trition through the effect. I lits probable internal secretion.

Farra and Savy Syphilis of the Thyrold; Its Histological Analogies with Tuberculous (Syphilis thyroldense, see analogies histologiques we is teherculose). Less (dw. 9.5, it, 5.1, By Journal de Chlurgie.

The authors errort the result of a complete handopped reamination of the period of the thyrold property of the schedule planting of the property of the schedule planting the property of the

Microscopically the interstitual tissue was greatly infiltrated with round cells (connective tissue and lymphocytic type) with here and there new formed capillates and shightly involved arterioles. At other points this inflammatory infiltratio was replaced by large scierous bands which crowded out the glandular elements. The thyroid vesicles had completely dhappeared at certain points elsewhere they per slated but their cells were wollen and increased in number, and had invaded the lumen, pushing back the colloid substance which finally disappeared. The more extensive gummas preared like extensive necrotic, amorphous, poorly stained areas in the center of which scarcely any thyroid elements could be recognized. In the younger gummas small islets I necross were seen separated by areas of round cell malitration.

The most interesting point dackned in these sections was the following: I certain places the inflammatory infiltration was no longer diffuse, but constituted and nodials formations at the center of which the cells had taken on an epithelioid character and which clearly characterized and rather acter and which clearly characterized and rather than the control of th

The importance of this concernation is stated in the conclusions of many by the surface. That tuber calculated and republic of the thyroid may not always be capable I microscopic differentiation and since both may give the chilosally to similar picture of liprocou thyroidth it is quite possible that in the past, cases I so-called tuberculosis of the thyroid have in reality been syphility. Differentiation by discovery of the iscaline of Koche of the spirochem for the second of the procedure of the second of the procedure of the second of the procedure of the second of th

usually found. The Wastermann reaction and the results of utilizetic treatment must be called uno t settle the question, CR LEWISH WE

Tistze 1 Blinteral Resection or Unilateral Extirpation of the Thyroid Preferable (Bedsertiges Resek ton order ears the Eastimation des Kroples)? Berl til li'charche 1,1 00 B Zentralbi / d. ges Clor Grenageb

The author in opposition t. Lausch, prefers. nilateral extirpation of the thyrold because the post onerative course is decidedly milder and aborter After the bilateral edge-shaped excision by the Mikuhez method generall pleasant symptoms (hyperthyroidism ppear such high temperat re nd pulpolise bet we of at robiosis of the re-

maini g parenchyma I consequence of ligature of the vesicle which is not be accurately limited. The healing of the ound is slower and longer accompanied by discharge of secretion and satures through the drain. I the pflateral externation (yes under local angesth via) there is much shelter degree of increase in temperature and pulsa rate. If explains this as being due to the slighter amount of trachelius and laryngit a, what is partly by seroes infiltration of the region of the wound oil difficult expectoration and partly t disturbance of curalstion in the mucous membrane of the larvax because of ligature of the superior theroad. If reserves resection—that is, wedge-shaped parision from both had ex of the the roud-or cases of diffuse bilateral **FOIL**CT

SURCERY OF THE CHEST

CITEST WALL AND BREAST

Gujeka Penetr ring Combi ed Thoracie d Abdominal Wou ds (Peneinerenie Brust Banch unck Daw her hir Kong

B / mild I d ges Cher Linuxeb

I cu tradictinates t belongual taranes alo strong pulse due to agus umi tion is present n ombined thoracic and bdominal James. Other mpt me to har t mark of abdomanal injuries are freq entl absent combined junes Al though expect treatment can be employed thorack injuries the advention a combined juris is t project act all less the prognous become of prable. The a thor dyses the transplemal rout as it is camer t suture the duphragm from the pleural and than from the abdominal. In four severe injuries the thor performed sample laparatomy Liparatomy in t pd in t One case as gu shot ound of the heart and solven. The patient recovered. I the second case perstonith resulted from stab ound th ooden foil hich entered the seventh left intercon tal spac and perforated the stomach transversely In sort of the interference the patient died of K DESTRE

(grooksha k d Soyd Case of Congenital Thoracic Deformity Free Rev See Med 9 5. Sect Dis Clokben, 5 By Surg. Gyarc & Obst.

peritorate

The deformity omisted of large depression in the pper part of the chest and the gap I the parietal wall which is pparently due to the absence of the outer portion of the second third and fourth ribs. The sternum is asymmetrical and the right unper costal cartilages are bent backward, with marked herms f the right lung. The deformed area is found t be imost exactly covered by the apper rm C G GREEK

Park The Thym nd Other Ductless Clauds. Company 11 J 29 By Surg. Grove & Obst.

The themps is described more fulls both there than the rest of the glapsis of internal secretion. This gland is found distributed through all except th very lo est entelmates Ontocapeticall it present to be an offshoot of the same embryone tell, from which the thy road is produced. Normalis only the remnants of the thymus can be found by

the time the child is thirty months old

The relation I the thymus to bone development has all recently been emphasized. Whereas the parentary body scloubtedly has profound florace upon bone development in the more mature years of en in adolescepte that h mus seems t influence greatly the same process in the very earle ears The condition bich on frequently diagnosed at rachitis is many times case of disturbed thymns serretion Acondronisms dwarfing mainless and th bk must all be usenbed t the thymus

Experimental evidence is not lacking in proving the connection bet een the thymus and the carly development of bone. Klose and his associates found the animals upon buch thymectomy had been performed showed tardy development od th epiphyseal cartilages in whole or - part would full ossify The boxes, moreover re lacking in mineral elements and are so soft that they can be cut with sensors. Later the flexibility gives way t frability and the boses become extremely brittle

he t exactly how may of the discusor of the benes and joints are du to thymus disturbances the mpossible the present inting to say but there a strong evidence that many of them are caused by disturbances of internal secretion. Among these discuses are osteomalacia, heumatold arth tis, hypertrophic esteoarthritm, osterus deformans, and possibly the arthropathies of tabes J IL Sexus

Routgen Ray Treatment of Thymus Beds/W Hypertrophy Clerchad II I o a zil 34
By Surg Cynec. & Obst.

The uthor here report t cases so treated ne successfully and one much improved but still ander treatment

He also discusses tatus lymphaticus and theories of thymic authon and death

Accordi g to the uthe unvolution fradi g t complet destruction of the thymus parenthyma begins the three r fou hours after the exposure to \rays. th consequent lessening I sympt ma.

to the in ol the cu times fter the exposu It m densable t drop the teatment even before the entire disappearant of ingrooms the sevents f symptoms must regulat the inher of expressives A shert strong exposure I hve t eight minutes will accomplish the sam results not thout da ger as fifteen t t enty my tea of eak exporare

Not only does lich f m sympt me follow but there is marked mpr ement the groot I condi-नाली / भी to of the huki.

TRACHEA AND LUNGS

Operation for Trachesi T more Broeckeert B Journal & Charager

in so years Bronckaert has over a 1 onl to times to tumors I the traches. The best use as that f small child on hom trachest my had been performed for croup beveral eck feer the removal f th canula respiratory disliculty devel oped and he performed emplorators laryage trachestomy. A large fleshs gro th had developed upon the inner margins of the old tra heal ound After complet abiatio he sutured the larvax and tra bea and obtained permanent and raped cur Histological examination showed the new growth t he sample granuloms. Stenous by such tuberson granulations is not very rare

I the second case the stenous was do to parallomas of the tra-bea and larvas Immediat trachestomy ith an extended lary neo-tracheal incuron was performed so as to permit of complete remo al of the umerous papillomators vegetations

hich completely filled the pper portion f the traches and larynx. The uthor then did laryneotracheostomy by seturiar the mucous membrane to the skin on either inde thus allowing him to observe the latynx and the traches for the ppearance of recurrences Several times t was peccesary to remove new tumors and few mo the later be closed the opening permanently

Broeckaert has had t cases of mallgment tumors of the traches one primary and the other secondary due to an extension of carcinoma of the thyroid In both cases there was uch an extensiv intiltration of the traches that radical operation as impossible. Is one the author performed a tracheotomy with partial ablation of the tumor mass. I the other

a tracheotomy was done and followed by the i troduction f a long ferible traches canula as an emergency measure. Statistics show that the results of operation for malignant tumors of the traches in general are not encouraging. Only two cases re known where the traches as successfully resected f a malignant t mor that of Bruns and the more recent one of Schmiegelow

The last case was that of a man, 33 years of ge be complained of several attacks of occurr g I the preceding few cold Laryogoscopic examination \overmeet our disclosed dight reduces I the oral cords and beneath these a rounded rather oluminous t mor which appeared t ame from the posterior wall I the tra hea. It

as [pale rose color perfectly smooth and] tted I ra I t the lumen f the traches A cricotra heucomy revealed the tumo. It ched by a broad base t the posterior tra heal a ll ad ent oacht g smon the crocold. It was the size ! large hazeln t It was removed without difficulty in several portions after bich the point of trachment was ea ciully currented. The marries of the ericosel and the trahea were poro imsted by catgut sut re and the Lin coson loved by means of Muchel forcept.

The can la as left in place. Post-operative se quete were normal and after being convinced that all trace I the turner had disappeared, not that the mo ement of the rocal cords was normal, the canula removed t the end of the third day

months after operation there had been no stans of recurrence. Histological examination of the tumor showed it was lobulated fibroma. J Di Mont

Schums her The Operati Treatment of Lung urfan her i na operaci Embolism Beitrafe rat opera en Behandlung der Lungensmole) Deutscher der Aust 19 3 By Zentralbi I d ges Chir I Grennech.

On the basis of three long embolism cases operated according t Tredelcoburg by Saperbroch and 5ch macher I the Zurich Clinic and several observed f tal cases flung embolism Sch ma her di curses the amptomat logy and diagnosis if large pulmonary embols and the udications and technique of the Tredelenburg operatio. He emphasizes the difficulty ad even impossibility I differentiating bet een pulmonary embolism and certain rapidly fatal cases of cardiac origin, especially myocarditis He differentiates three forms of death in pulmonars embolism () the almost instant death from shock. () the very rapidly resulting death | large emboli obstructing both branches of the pulmomery arters (3) the douth occurring many mi utes, even hours, after a protracted case f embolium.

I so far as operative indications re concerned the thor believes that i th rapidly progressing cases on a duty lies in attempting interference, as recovery may occu in some one case. In these cases the natomi relations are also I vorable for the extraction I an embolism. In the protracted ceses, one is justified in resorting to operative inter ference when, I spit of stimulation, aggravation of the conditions occurs. If been ed in t cases the prestrance of cicking pulmonary Me, which randmally disappeared as the beau weakened. Per haps this disappearance of the rate is an indication not to delay the operation my longer.

Friedrich The Effect of Extensi Resection of the Thoracic Wall on Marked Pulmenary Emphysics (Rickwitzung einer usgelehnten Brust andrewition of bochgreifers Lampnemphy sem) Desircher hir Kong 0 t By Zentralbi 1 d per Chir I. Gezargeb

By Zentralli (d grs Clur I. Genergeb Friedrich discusses the remarkable ctrogression which occurred in case of marked pulmonary emphysems after n extensive esection of the thoracle wall

The patient as Russian conchusan, fifty four cars old uffering from high grade pulmonan mph sema ath bur I hest II 2.5 admitted to the look on account of persontral as ome extending from the right second later until struct the night sixth rib. The t mor as large numbered of he I man The V ray part to board no instruction met states but mercres calcided bron bial glands. The best all a served under local nurubeau and miet inferenc et liferent pressure and the ent 1 mor salt og skifert uv herled a m long resection of the third fourth with and sixth ght rule an area bout sot t on in The turne had bulged the pa etal pleura nd Anarrow band of adhesions led t the moving ling. It the pulmount into this band sever I met i take ere found in the lone. The lane brought forward ad others se found free from met 1 ses. Its met statu for 4.9 removed selth I gautured The skin flan as closed tight! and he is as forced out of the thorax \ dressing as padly piphed but a lemnit pneumonia set in in the operated partion of the lung (liberaise there as complet primary men

During the follow g eck di Inst temporam it them pin seem amount of I teef. Then, of ourse may have been once less. I need to be ever thail due ous rerat on wanned to account of the extress defect the high territory of exprastion percentage of the lung order be tollowed loosly an effect as produced on his course in Treat method research of the lung order percentage of the lung of the lung order or

PHARTEX AND GEOPHAGUS

Liebanit Chronic Inflamentary Steroad of be Cardiac Registr of the Gaophag (Les afracas inflamentares recordere de l'répoi uniflament de l'emphage) Thète de des (Par 9 By Journal de Chirarje

The thor holds view on the cticlogy of the socalled adopathic spirsms of the resophagus hich are quits at variance. Ith those arguily accepted, While certain cases may still be considered idopathic, the greater number I primary ornophageal spassus according to the athor a very designic etiologies.

The first step 1 the mechanism, he consider to be the formation of an resident for the earlier (see the third step 1) and the control of the reason, notably alreadolum excresive use of the total of the control of the

damed analogican obly Biornics bisancel d ring grouphagescopy are cited as yielding anatomical details of these crossons. They ar inflammatory insions of the sources and submucosa, easily distinguishable from canceroral processes. The old methods of investigation of these cases, the till, usculation and extheterization, are now supplemented by the \-ray and the errophagoscope Radiography may lead t mistaken diagnosis. I ersophageal stenosis niess one remembers that in normal subjects the besunth may remain stationery for some time in the diaphragmatic region. The ersophagescope how the foral leasess the cardiac resons. One of these stages son be present systation alceration, or gramulation sometimes, also cicatrices may be seen. Ih course of the affection is ery alow it lasts months or years and affects the general condition fibe patters only by the difficulty that it interposes to alternation. The prognoms is not very serious. When such inflammatory stenous is in the stage of granulation, it may anscroscopically closely esemble a cancerous process. Biopises obtained through the ersophagostone are decisive.

Therapeutically Liebank advices gastroatomy, high allow the sourishment of the patient and procures sanctional est for the coophagus later the various methods of crophagual dilatation may be employ of Assertize.

Meyer The Surgical T cutment of Cancer of the Exophague, Med Rec. 9 t, httms, \$53 By Surg. Gyacs, & Obst.

The first question that arises in the most of every physician is, What remit in have suggrous to show as to-day? Hat they as ed an partie of the responsive for cardiom. The surgeon many the expensive for cardiom and the surgeon in the surgeon of the surgeon for the surg

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of view and discusses briefly the division of responsibility between family physician and surgeon in the task of saving the his of patients afflicted with cancer f the amophagus. He contends that the disease is absolutely an operativ one and should be turned wer to the surgeon as soon as the diagnosis has been made. The reasons for this statement are The comparative benignancy of the trouble, chalcally

s. The bright outlook after operative treatment in cert's cases.

3. Up to the present time no surgeon has had a chance to operate o case under really favorable circumstances.

The author mentions briefly the method making the chagnons in cancer of the emophages, emphasizing the necessity of an seriy diagnoss, and then discusses the latest improvements in exophagoplasty especially with reference t Jiams new operatio to which a part of the major curvature of the stomach a dissected and formed into a long gut cutroslike tube. It serves mmultaneously as

tomy and inferior resophagoplasty. He believes it best to place the tube subcutaneously A further point he emphasizes is, that no further efforts should be made to secure air and water-tight the uncer stump of the resected excephages which was formerly left within the thorax. It should, in every instance, be transposed extrathoracically from above downward in the directio of the Jianu tube. If it is long enough, both ends can be united by suture and therewith the resophagoplasty completed. If too short a skin plasty must bridge the defect

In conclusio he once more dwells on the fact that patients complaining of difficulty in deglutition must not be treated expectantly. Two successful cases f orsophageal resection for carcinoma are cited, the first by Zanijer who reported a successful case of carripoms of the lower portion of the emophs gus and cardia the second by T rek, who succeeded in curing a patient with cancer of the escophagus streeted behind the aortic arch. Both cases were operated upo in the early stage, at a time when heth pneumogastrics could still be dissected off

SURGERY OF THE ABDOMEN

ABDOMINAL WALL AND PERITOREUM

Merien An Obliqu Transverse Inciston for Operations on the Gall Bladder and Bile Ducts (Inciston oblique transversels dam iss optera-tions see la vencule et les voies biliares) Union seel de Cesséa Mouritail, 9 a. Lis. By Zestralki i. d. pas Chir. 1. Gransteb.

The a thor recommends the laparotomy incision on account of it almplicity because it offers good exposure of the field of operation, and because the soft parts are not injured. The incusion commences t the right costal arch between the eighth and ninth ribs and runs obliquely to the umbilious and if necessary can be carried downward in the median line. After cutting through the akin, external oblique and anterior sheath of the rectus, he extern the abdominal cavity at the level I the inscriptio tendines between the two muscles either with sound or with the fingers and separates them bluntly in vertical direction. The are of the incision in the posterior sheath and peritoneum depends no the amount I room necessary to perform the operation. The incition permits thorough inspection of the liver gall-bladder and bile pessages, pylorus and neighboring parts of the stomach, the head of the pancress, and the right hidney NEUTER.

Enderlen The Subject of Peritonitis (Geschispenkie und Thesen zur Pentonitistrage) Best z. ibn Chir, o 3. hxxell, 503 By Zentralbi, f d ges. Chir Grensph.

At the B warfan Surgical Congress the consensus of opinion in regard to the therapy of peritonitis was that it is not dvisable t wait for the development of classical symptoms, but t remove rapidly the

source of the perit nitis under a general narcosis. Drainage, especially toward the pouch of Douglas. moderate tamponed and wide-open wound are the essentials. Irrigation should be amployed only in diffuse perstantia complicated by a flooding of the cavity with bowel contents, and then with eventra tion. For the alter treatment are advised the exaggerated Fowler position, rectal or intravenous sodrum chloride infusions, and campho The introduction of avgar and camphorated oil into the perit neal cavity is f questionable merit

Whitelocks Two Successful Coses of Operation for Strangulated Inguinal Hornia in Fernal Infants, of the Ages of 22 and 17 Days. Proc. Roy Sec Mad 9 3, vi, Sect. Die Children, co. By Surg., Gynec. & Obst.

These cases are exceptionally interesting. Th points of interest can be unmed up as follows

t. The early ages at which strangulatio oc curred, and with apparently no definit cause. The utrusual nature of the hernial contents

in the one case an ovary and tube as well as small intestine in the other an unduly mobile occum with large appendix measuring 314 inches. 3. The successful issue in each case even after the

obstruction and symptoms of strangulation had lested for over three days. 4. The absence of post-operative shock after a

general angesthetic and herniotomy and in the younger infant after appendicectomy in addition. Herniotomy for strangulation in such young in-

fants must be exceptional, and successful appendicectomy at the age f seventeen days is cer talkly so C. G GRULER

Santini A New Pla tic Apeneurotic Method for the Cure of Direct Ing Insal Hernia (Nurse metalo di plattas spore rotica per la cura dello erale inguladi dirette) Pudi d H med di Belopi

ingulanii dirette) Buil d re med da Baloge 9 3, http://ep B) Zentralbi I d. gra Chi 1 Grenageh

The thor employs as radical operation for the cure if direct gain I herms the follo log method designed especially for the purpose of re-isforcing the potence in the following the potence area.

Increum is made from the some anterior

The poneurous of the ternal blique be

t een both ruges is severed

1 Th rd is lifted up the fasc transversalis
is opened, the six dissected opened and if and

is opened the sac dissected opened tied if and removed

4 1 all flap in the form of pedicle is made of

that portio of the aternal blique muscle. It has above the divided portion for muscle. The predict of the flap has alongside the suction for the divided paperuous.

g The flap is tur-ed don, and ont, the floor and tured to use trans enable facts, the site of The outpetted teader and formant by meat are the out-red at ordinate B wind.

The cord is replaced and the sky lovest.
The a thor has secreed it operated a rases of direct upon and hermal this method. If an

Pruis and Mon ler Mariginal Diseases and Justine of the Missattery of the Oriental Monages here Arabbettes und der Verletungen des Darmenkoses auch let Veter Deut de Christian des Darmenkoses auch let Veter Deut de Christian des Darmenkoses auch let de Christian des Christians des Christian

Prutz hapter is chepmental last in relevant colors the 1 Toldit. The most import is development is relevant to 1 transport to the minds of the interesting of the inject in themsel of the knop on the large gut The media densities, or as refing f. Prut is result in the just in the least organization.

formed from the rai ral mesentery. Regarding the circles/py of brana terragnostics as are et derita and of berna terragnostics as the control of the control

T the querilon of the relationship of this fold to the ena merent for the whee replies that he recognizes no defam connection between the vein and the fold Surgicall the author claims, the mean significat deviations from the normal location depend upon insufficient secondary fixation of the different segments of mesentery t the posterior belongial all.

The surbor at tes the t the only hereins of the boneant mare the bertal former. Wholever and the hermal bours-concentails. The disposis of these bertals the Bill out and herein's an never definitely made before the operation. The differential diagnosis between the bornial shootlevel cash to which the bertal shadomedynamics of the rate and left that if the former there, presently no bertald use. Means that if the former there, presently no bersald use. Means that if the former there, presently no bersald use and both large and mail intradiers at 1 of the little there is such hick con-

ol ed hile in the latter there is sac hich con taking gut and mly the small latesting is involved.

The openings and furthers f the mesenters willing to the other size either of congenital or tra mate oruel I the former case they are most frequently found ne th lowest part of the ilrum I the latter case they follow best peous abdominal outerloos, or operation such enterostomy resection of testines et sal interest the thur point t the opportion het een the house uleus entrocult ad the open age of the mesocolog trans group. The openings hat over I the same time in the lever openium are due gradual rarefaction can er by the con tingges traction everted by the intestinal loops The uthor reports cases for entires in one or both locations rebout the present of gustile ulcers The most frequent size of these openings is the gradual atroph) of the tremes. The mechanical processes that orthog t the thor tend to univer the mountery or pressure trenna nd allegang or too ng morton. They assigned to often secondary the gu being the mala point of ttack. The thor then discusses the various kind of forces hat mose these inj nes influences of an stoom if and i in two al nature the different kinds of ounds of the move tery especially those to will be from proc rating a new of the informinal

alla Then follow review of until therimentation etiology ymptomatology diagnosis ad prognosis Hamorrhage h ris local and gen a superies ral turn constitutes the only early symptom of mechanical injuries. The pooting diagnosis of soluted I nes is impos ble. The thor states that therapeutic principles demand unconditionall operate interference While the prognosts in nearly al ye gra in cases left for spontaneous recovery the prognous in the prompt operative cases is ers good. I the operatic cases the author replaces untired also securious the empt mesentery by omentum. Such transpla tations f omentum should not be done in lieu of resertions of the buestines, but in emergencies they re of great aid. The holated paries t cases within the renew of the rade mosentent re all due t penetrat ing wounds od affect the vena mesenters super erclasively. The other states that I is not permasible to beate the truck of these vessels

After discussion of omental infuries the uthor dw lis pon the traumatic cysts of the omentum Of the inflammatory diseases, the author mentions the cut suppurative infections first. The diffuse inflammations predominat in this suppurati class of cases. Locally thromborhicbits and lymphangitis play an important part emphasizes the first that in perityphlitis propagation of the miectro generally occurs in the radicles I the mose try nd in t phosd I re via the lymph thannels of the mese tery. The critical location of all uppurat processes is the ilco-recal repon. When chills indicat tinuance of the infection ft ea h oper tion f ppendoes Il films th dicitis the thor recommend ligation of the veins. T do this begin at the outer border of the old winders, cut through bet een m and ik m and refully solat the arteries before ligating the veins. Chronic inflam mations of the mesentery f lies prolonged mechani cal and hem al irritations g in cases of bet pa tion (chronic mesos gmost tia). Chemical urita tions | int tocations are due t cha ges going within the gall bladder according to the thur belief The witho differ that bet een pers thath here is more that and more thatis chromes ordigt the right of the inflammators process T nderst nd the flammators llings of the omentum (so thoroughly described b Bra) high occur feer hermot mues the cause should be todied iz infection t mor ad chronic course The uthor uggest f this condition the term piploitis infectio purul bro Direct mocula tion is the etiologic 1 for in cases that dev lop an operative epiploitis as sequel t lighteons of the omentum, and to tact infection if it follow tra abdominal supporation. The latter is the result of inflammatory dherions of the me t m t the ut of the suppurative process and sometimes in f transitors nat re The treatme t of t more he LD.E favorable progresses should be conservative

according t Prutz T berculoris affecting the central layer of the mese tery is found in the lymph glands the treum of the infectio being in the intestine. The intestinal mucosa is not always t berculous in such instances. A imple laparot my as in perstoneal tuberculous a recommended as threspeute at tempt by the author Actinomycoshs of the meaentery has not been found, syphilis very rarely but actinomycoms of the omentum as relatively fre quent owing to invasions from the intestines. In cases exhibiting mental tuberculous, there is general, extensive tubercular process affecting other intra-abdominal organs. The real domain of the tuberculosis affecting the omentum, is the t her culous peritoneum. Pruts classifies torsions of the omentum as those ith and those without bernis-The essential importance of these hernin is the structural changes brought about when the one turn is found in the hermal contents. Chronic perit neal processes also cause such omental alterations. The

mentum becomes lumpy. The author does not agree with Payr and his experimentally proved hamodynamic theory according to which the encorgement al the veins causes the mentum to become twisted. Prutz states that the veins are engorged because they becom twisted in common with the omentum. Both observers agree that mechanical influences are operative 1 these cases especially the moveme to of the abdominal parietes. Clinically Prutz believes that in most cases when a right-soled herms of the grom suddenly becomes treducible or incarcerated it is a sign of a xisting omental torsion. The sc cruff in uch cases ith hernia and the appendiculis in the cases of mental t raion it bout hernia are the most promine t ympt ms bence are also most emphasized in the diamosts

Incuring the region of the three large arteful hading from the median doral meetingry in largement. As diang from the median doral meetingry infragement heurisms at this rea would be types: These timens grow spannodrally and greenily hemorrhage is their fails termination. Limbolaum and thrombous in this location are discoved and that the operative proposition of the state of the

tance The cysts fathe mesentery re classified by Monnler according to the anatomic condition of their walls and according t their senses; ad not accord ing t their contents as costs of lymphatic origin (lymphangiomata, ch\langiomat) hematoreles whose co tents become bloody as a secondary process echinococcus cysts enteroceles, dermold cysts and cysts of separated sperms of the urogenital tract. The solid tumors of the meson tery Monmer divides int Impomata fibromata, sarcomata and carcinomata. Cysts are most frequent in the first region their constant symptoms being compression of the intestines and of the blood exels. Therapeutically the question f marsupiahration and esucleation cometa arise either from subserous connecti e tissue or from lymph glands carcinomata from the endothelium of the is mph glands and the lymphatics (endothelial cardinoma) Cysts and tumors of the omentum are simila to those of the mesentery M moler divides them into cysts of lymphatic and traumatic origin echinococcus cysts and dermold cysts byomata fibromata, surcomata, and carcinomata. Any ne desiring special inf smatten in regard t the surgery of the mesentery and omenfum will find the work of Pruta and Monnier a mine of dependable information Crerce.

GASTRO-INTESTINAL TRACT

Combi ed T berculosis and Carcinoma of th Stomach with Report of Case upon Whi h Partial Ga trectorty Was Performed. 1= 1 11 Sr 2 1 cal 60

By Sur Gyare & Olat

That ancer nilt benedous may be contest was pointed out by Il le in 18 o In 1410 Roll tarsky proved this theory but in the past few years It has been or en by ma y pathologist that the double lesson does occur. Dettel howel that en larged lymphatic glands in the neighborhood of malignant carrinoms may be a berenlous act sho on evident of malign per-

The whole port to er one bring by on The patient su pictou of tuberculerus. Igenber nd and he agriculation and benefore The nations himself he ing had here as operated mon for strut en four ears previously last size mary in the crosses-Palpat so reve led tric region the tope her the history of loss of gight upon of t. I. et arra ted diagnose of runomatou t tire fit pylorus thichlata tion Partial gitch ont outsmed the chancel diagnosis. M resoutes I game I in of the specimen it, raidd ffuse are noma of the tomach with tubers losts of the limited

due hacerd and after a The patte t substitute in be guited at pound and enjoyed good health Calmett a en troneg ti he d sh t t t live buties doub a though a upparent first have two t t berealous

noted fin good bealth ontinued for t ytarı 11 men b hen k admit of t the ther bross ber diagnosts of pulmonants m is There are to keped t ben who acut atest aal obstructio supposed from ad-Indi keal nambous emplor tors performed ble id tinged serious lanarotom me ped in mechanic lubitruction only be found studed the merous reall the penton nm tuber k. The la I asparal t and asrelieved ngunal obstoms. The patient ded t ы lat and tops sho ed among they things, a pulmonary t berealous miliary t benedous and remoral of the stomach high purrow operally

the original growth that review to similar ombined lesions reported b (Tuesle vannosid Barchasch Borst and I nedlander. If furthe betract seven cases of carelnoms of the stomach associated with t ber If A Ports culous I explaine glands

Finiterer The Liposure of Inoperabl Carci-somata of the Stemach t the X-ray and the Results Obtained (Ober de Frederens moperable: Maguscarcassess aw Röntgeolostrab wat und die danut erzeiten Erfolge). Munches med II diende By Zentralbi. I. d. gen. Chir m. I. Granzprb

The tumo of the stomach is not enchared antersorly but only liberated in situ. T mak t

more accessible the longitudinal median incision is angmented by a transverse incision three farers breadths above the ambilious, extending through the treti and parietal peritoneum from one costal arch I the other A gastro-enterostomy is performed as near I the cardiac end as possible, if this cannot be done jejunostomy is performed. Both lobes of the liver re anchored subcutaneously t the contail arch 1th large U sutures of silk to expose the leaser omentum and lesser curvature. The stomach is bored. Indolors gaure strips are placed bet cen parietal peritoneum and doodenum on the right ad bet een perloneum od transverse colon nd picen on the left t induce dhemons between the orrion. T fore the lever curvature down ward, a large strip of gauge is placed bet cen liver

omorredo handare. One eck it the operation to Tray treatment es begun. A soft t be is employed ith focal des nee ro- 5 cm., and an intensity one od one ball II Alter eight to ten exposures, go en at three to four day I terrals the down to increased. If the tumor crases to be palvable od the abdominal wall opported to thick granulations and adherious, the belomen, including the heer arm, is exposed to the

ad stomach on the lesser omentum and fixed [th

ray of hards be mang a double glass after and an traity up t ave Il The exponers are given every rek tone later every two weeks. Imo a seven we of incorrable rarencemata of the stomach so treated there was decaded improvement in four If resection technically is still possible, the entire field, sachding the lymph exico from the nancreas t the in er should be exposed and the 'k-ray used as laive. All injury t the serious coat f the stomach through softenes should be rouded, as east to fat the may develop

Jordan Gantrie Ulert Pric Roy Sec Had by 3. Electro-Therap Sect By Serg Gynec & Obst.

The author considers the use I the X rays in the elecidation of the problems of gastric aleer and discusses the diagnosis, causes and some terminations Acut gustric ulcer is passed un the matement acut gastric ulcer gives rue to a very per statent spasmodic construction at the side of the alcer this construction under naesthesia frequently DAMEDE WAY

Il has observed in t eive patients a reversed penetable operation aboving an organic lesio of py torus or duodenum in each case

The thor mists upo complet examination of the whole gastro-intestmal tract, hich in all silvers cases above stams as the cause of the silver in that there is distration of the duodenum and therefore mability of the peristaltic contractions to th contents along This aggravates the pyloric spage: hich in t ru causes dilutation of th stomach with consequent dragging of the stomach and colon, thereby causing increased tension upon the pyloric attachme t. This familihes the pre-

digestion mainly during the last is 'e years preceding the present illness. Seventy three cases gave a definit history of gastric ulcer. It is therefore evident that in one thousand cases, but twenty three per cent present a history of y previous di gestive disturbance hatever even in the shightest degree and th t but 7 sper ent give a direct history of ulcer. If therefore all of the former digestive dist chances be considered as due t ulcer the for mation of gastric cancer from alcer could not have taken place in more than 3 per cent if all of the cases 1th slight directive di turbances be disre garded in his series, this percentage is reduced even t 1 3 per cut From these cases the author comes t the conclusion that while gastric ulcers are at times transformed int malignant gro the the change does not tak place in more than 3 per cent of the cases and even this proportion is too high.

EDWARD L. COR PLL

dupoung se th primary cause being mi-roble the colon buill has been found in pure culture at the base of brenk theres of the stomach. The diagnosis after blamuth meal is made by the silagraph and fluoroscope. The arti is contains many good reproductions from the silagraphs.

Many olders persist for years a precognized by the \(\) ra \(A \) few exactive completely lea ing a can with a
\(\) ring among t \(\) four \(\) plans constitution \(\) \(\) from the
man chronic gratice olders become ancerous, all
such caves showing intestinal stavis \(nh \) distended
doordening.

The thor thinks that by n early recognition of gastic and dood cal ker th intertinal reason may cases I cancer but only I the stomach but I the leeast od gall tract may be voided and that the greatest help these cases is the Virty I in these cases in the Virty I in the case I in the case in the Virty I in the case I in t

Friedensiald On h Frequency of the Transit tion of Ulcer of th himmschill Cancer Batten II & J o g client 700 By Song G not & Obst

Much interest has been manufacted in recent ears regarding the frequency of the development I cancer of the tomach upon the scale is a old sizer. Various inthory life, slect ouccern get the frequency of transition of ulteration in a normal sizer of the scale of the

Askedi calls steetion t the represent for that large number of himost gainst ulers termed callous uters by the surgeons which are paparently ordinary pastric skets, operating mannsoperally as cancers are really not takens degeneral unit cancers but cancers transformed int typical uters. The typical poparance of an alore is requlty observed in the callous alters will on the anity observed in the callous alters will on the taken of the callous and the surgeon of the callous to the base as far as the seroes cost is sufficient, from high it can be definitely concluded that primary curthoms with sevolodary discretion custed.

The thor then review one thorsand cases which have come under his becarrate A history of some percents of the percent percent percent percent percent percent in this number there are one bundred more both alght attacks of indigents for period of five years or more perceduag the present gustrie distributions his twenty five had light attacks any during the last five years preceding the percent accesses. Of the remaising one hundred twenty three once, threy-t o had chronic indigention all of their large of which twenty mine had chronic indigention all of their large of which twenty mine had chronic indigention all of

Simon Contribution t the Treatment of Perforated Ga tric and Duodenal Ulcers (Betrig au Behnsdom der perforenten Magro- und Doodradekera) New Bin Chr. q. p. trend, vi By Zearalli f. d. ex. Gir. u. I Grangeb

The thor deduces from study of footteen case the fast in bid-nord importance in the outcomes of perforated graine, and chooletaal oleers and in this connection of sources the value of jejanotismy as recommended by you faireblerg in 1000. In consequence of the rapid outset of period the performance of pastric oleer cannot be distinguished from that if ther bollow server the anamorals, which is only too often it speak much be considered than an made blitching are no bid in the past of the state of pastric disturbance. The notices of the size of pain, the without designation as

If dearlies case which the question fresh perforation or saint gyrecultor remained open laparotomy disclosed an uker deoderst, almost perforated with rounding inflammation and tendency is albeauon. Rectus spillity was absent

this case whereas it is merer beaut in an actual reference on Dily direct traums in of importance the preference of Dily direct traums in of importance perforations. Only direct traums in of importance may produce it the mpt me is simply formation may produce it the mpt me is simply formation and the surface of diffuse personnish. Sometimes the sudden omest of severe pain in the upper belonces to sudden omest of severe pain in the upper belonces. A perforated prendit does not pursue such a terminal colours of the product. I often preference of the patient. I often perforations the presence of the patient. I often perforation the presence of the patient. I often perforations the presence of the patient. I often perforations the presence of the patient. I often perforation the presence of the patient of the perforation of the perforation of the perforation of the perforation. The ulter was tomed on the anterior all t cases, the protector wall in position of the perforation of the per

The perforations high re-permutally amail be imis honever they re is so lie that the cital acter Multiple perforations in not observed fluid was found i the abdom nal vit cad palescent or cloud ser us coses the fluid as mor purulent ad those per ated after 5 bours pur pu acce after 3 soons pur pu count 1 toos particles or binary fluid er not found. The p estound I ood enc of gas point to the st m h the source one or gas point to take pid riss los re of the perforation clearming of the belominal and increasing the lattest, strength ad mise of his general condit

Of the operat invagination the several layers faut it to deep the moles d ing a fold of omentum over these This even t be the simplest proced to though the sense to be part be the ampien process to thought the decided individual! If in grantion burnet the pylorus, a gastro-e terost my must be diled. The pynamics of this re the f orable first on in hipse ulcers immediat (title) neress, the m ittpse uncers immeniat tritio mercase time intestinal action, ad its simple ty 1 (c) nearons. the tension is the soft line is less cheed but the pe bot so imbotrant pen the puber cut 1 per top some many conexed on two gastric juke is d minished took raterost m should be used in aker of the pulo curvature with steposis, provided the scental condu to is good becording t Pet to t thurs of those operated in the first one third of those operated later. The bours are saved ad records 6635 per cent of cures, deducting duodent here in hich the prognosis was poor rbor 9. reported 5 per cent of cures od Bru ner mm larly in 1903.

Von Mielecki Gastrie Ulow in the New Born (Magnagenchwitze bei Neugebormen) Berl, Min By Zentralbi, f. d. gas. Cyralk a. Gebartak a. d. Grennyab

The stomach of girl infant, who deed on the fourth day revealed in its mucous numerous altern varying in sire from dot to lentil Epithelial defects were seen microscopically the sobminous was exposed and infiltrated. The affection was the expression of grave exterrhal inflammation hich also caused general leterus

Neudbrier Pylorospassa and Gastric Ulcer (Uber Zr. were Pytorospanios and Ulcus cotricul). Marrier and By Zentralbi L d ges Chur

In a review of to cases operated during the last 5 years, the utbor has determined that there re cases in hich the Handek sign (six hours stomach rest) is not diagnostic of gastric nicer. The uthor agrees ith won Bergmann that the alcers of the lesser curvature and those I the anterior and posterior walls are especially fishint induce pyloro-

pages. If then describes case of priorospasses in which the ymptoms and the operative findings small calloused alcer of the lesser curvature ad

ngidly stenosed pylorus - led him is any carriporns. I the pylorus. The spring in (resected according t Kocher's method than trace of carcinoma or nicer. The store lesser curvature healed after that saider. nefudes that the elimination of the picture not the altered chemism as obtained in the terostomy produced the cure of the six

Dating Contrib tion to the Study of Sung T berrulosis of the Pylorus (Cambos l'étade de la tuberenime sténomate de print, in de mail de l'oper d'pest, et de mord un

A young man, 8 years of age, ignormal good health up to April, 909 began at the per-By Journal & Comp. t rapidly lose weight and to safer two per dist rhances which quickly because mer actiimplained ! feeling of weight after our belief and later f omitting The comments putrid and abundant it came on several houses meals and was repeated. There was proceed no loss of ppetit Upon crambation there is general admonathy. The longs ere clear. He as alight epigastric tenderness. I the est post to there was bulgion of the bolomers and ed

ruble tumor mobile a th respiration Point's Resilier #7 The lomach present as emmass lying cutirely a the left side the hardest in lorse portion had but a minimal capacity and m pra tirelly invisible Second examination chie hours hater showed retention of liquid is its stomach and the

stomach and the presence of distinct contention Gestric J ke little pepura total chiorides 0.501 per cent noticel . \ free b) drochloric add, rer fermentation acada. For one month the patient was treated by large doses of hydrochloric schi, repeated sastric is ge and rest in bed. He galard thirtee kilograms in weight, and thought himself carel The ee months later he returned with ascites hick her executed by laparotomy proved to be taker-cident. The excheda persisted and the potent

America Tuberculous pentonitis penipatnia and subcrepions granulations on the peritoent of the stometh. About the pylorus ther as present sort of mag (carollaginous comistenc) There as no histological examination. I split of this important become, the thor cleares his care among those of t berculors grandoms of the stomach, hich evolve much like cancer but are mor common mong) oung people J Ounceric

Pil ek Duodenal Ulcer (Kilalscher Beitrag auf Kenetole des Ulcus deoxienale) inch f Levince ap-

By Zentrahi, f. d. gen. Chie. . i. Grangeb. Thirteen cases are reported, cieven being men between twenty and forty nd two omen between

Ill ere operated on (gustrofifty and sixty enterostom; pylorectomy) and the diagnosis was confirmed in each case. A very exact analysis was mad the thora case histories, as t occupation (stooping position) preceding infections, especially syphilis (Wassermann negative in all cases) discuse of the stomach in the family, det (egetable or ment) alcoholium buse of collee and tobacco, and tranna (skin h ros) Imong the most important sympt ms as pain, the so-called hunger-pain appearing three t tour hours after taking util ment and baract rized () by a periodicity () is ppearance d ring th night (i) b growing better or worse o mu ement and peruliar pour tsons (the body (4) b decreasing summer (5) and by the presence of par ful area neter the right cost l'ar h t the level f th t eith thora n ad first lumiur ertebre. These cha eterni es varied in different axes. I requently there erurtation. nd mit githree times blood) sea before the ppe rant of par Octult bleeding demon strated all four times. Lumin time of nomach contents showed the ad ont my t be sormal a c times and increased eight times. The harmoglobs content of the blood in eight cases med bet een 85 and oo per ent in fit sech bet een 33 and 85 per tot

Rontgen examination was of special diagnosti valu as take edithe feet in eleven cases out of thirteen This examination sho ed pyloric in sufficiency in for cases, pylonic stenocls in three and pathological auches the duodenal three Food residue in the duodenum after seven bours hypermobility and localized pain on pressure er es h noted hire times. Leube treatment for uter did not gi good results. The operations or performed thus the past six a seven months, so ultimat results on not be gi en however subjective pain decreased and there as a increase in strength and capacity for work. One woman died, seven months after the operation, from Beus, result og from the formation of fibrous bands at the gas-tro-enterestomy ound. The ulter as located i the ascending part if the duodentum in eleven cases in the descending part bove vater papilla in one thus, in all cases I was found bove the bile ducts One case showed dilutation I the horizontal part because of stenous bet een the horizontal and descending branches. The utbor mentions as pounts in the differential diagnosis between atomach and duodenal lost that the pain i doodenal ulcer generally decreases on motio and that the temperature is lower. In conclusion the thirteen case phytones are mye Schools

Schmieden Duodenal Uicer (Ukus dawictus)
Destschu der Kunj 1913
By Zentralbi, i d. gen Chir u. Granngeb.

The other studied the pathogenesis of duodenal steer in Bier' clinic. It is his opinion that study of the indings toperation, together ith the childral barryations, lead to the most reliable conclusions. The constant blamuth shadows so frequently observed in the upper part of the duodenum on radiographical examination in duodenal ulcer offer an important hint as t the etiology of the cond tion. The doodenum should let its contents pass very quickly The constant presence of cid chyme leads to irritation and ulcer formation in places predispose to it. In the first place the change in form of the stomach resulting f om prosis causes the upper part f the duodenum to bend at acute angle nd leads t ret nito of its contents morrover this bend prevents the entrance of the neutralizing alka line atestinal futers. Duodenal her thus seems t be indirect! caused by the pright position of ma. There is second change in the form of the stomach in duodenal heer which consists in fixation of the pylorus to the right. The inthor thinks that this hange should not be regarded as consequence of the duodensi older but as the pre-existing and a companying cause of t. Her too the duodenum remains full for an abnormall long time. It is used by the formation of pericolle and perichole custic fibrous bands which limit the motility. I the pyloric region. I such cases the duodenum cannot relieve itself by peristaltic movements. When once peptie ulcer has made it prestance it I ays

reta. I content in its depide.

I look is a three changed indispose it the changed indispose it the changed indispose it the crosses described above are found frequently a third remainder of the itselfined canal. The other be like either to the content of the indispose in the content of the fact that departine bypersecretion, bypersecretion and the content of the fact that departine bypersecretion bypersecretion and the lost — I which won Bergmann also contents—can no longer be regarded unrely as implorus of the disease but that they play a part in its caustion.

M yo Pathologic Data Obtained from Ulcers Escised from the Anterior Wall of the D od en m. Inv Surg Phila., p. 1 B, 50 By Surg Gynec. & Obst.

The pathological examination of ulcers excised from the interior wall of the docaleum reveal ere of the haracteristics of gautic ulcers. Chronic docteral ulcers smallly occur close 1 the polymic and formerly hen discovered either at operation or autopury were believed to be prijorite in rigi and were classified with pauric ulcers. A pauric ulcers is punched out defect in the mucoss membrane in his electracid, grayish whilt base surro nded by the classified with pauric ulcers.

concurrent marginal of somewhat overhanging mucosa. Uters the auterior wall (the doodenum inh observedon and callus, pon rucision may show a defect scarcely larger than dimple, which resembles hitt split in the smoons. It is some times purrounded by an area of thickened congested murcous membra. It is a patch set in the doodenum The mucous membran of the doodenum above the common duct is smooth, thin granular and has few folds. It may be this anatomical peculiarity which prevents the development of thick eleers of the gastric type that are found on the peritoneal surface which gives the thickness necessary for the base of the ulcer Ulcers of the posterio wall of the duodenum present the same characteristics as those of the stomach, e., clean-cut definitely numbedout rea ttached closely to the processes and usually completely perforating the doodenum. They are protected posteriorly by calles which forms the base of the ulcer. In such cases, however, anterior contact-ulcer will usually be fou d just opposite the losio n the posterior wall After excludes an anterior picer account may occasionally be discovered posteriorly which has been concessed by the pyloric nex the older on the anterior wall evidently being secondary and d to co tact. The extrale of posterior ulcers of the duodenum is so difficult as contrasted with gastro-enterestomy that, although patients recover and remain well, no m

In the author's opinion, therefore the excision of doubeaut direct aboud he limited it these corrections of doubeauties aboud he limited it these corrections are not as a state of the satterior doubland will demonstrat just why this type i silver probably is we looked to the average routhe examination of the doubeaut a strong with the satterior of the doubeauth at strong with the satterior of the doubeauth at strong with the X-ray. The X-ray however has been visually also as a strong and the satterior of the doubeauth accordance of the control of the satterior of the doubeauth accordance of the satural demonstration of the dure but by the determination of deformities and perverted mescular functions.

not encouraged to continue the practice.

mexagn running

Desirer Acut Perfocated Duodonal and Gastric Ulcera. Ams Surg Phila, 9 p. ira 10p. By Surg Oynes & Obst.

Deaver reports twenty five cases of cut perforation of chronic duodenal and gastrie ulcers. Only those cases in which the pentoneal cavity was suddenly brought int free communication with the interior f either viscus through perforative opening in the base of chronic ulcer are considered. In the diagnosis of acut perforation, history of years of suffering, or intermettent indirection per haps, with recent recurrence, lesting several weeks and terminating in the present attack, can usually be elected. Some cases give no such history but after an unusual physical effort, heavy meal, or in entire absence of such predisposing causes the patient has suddenly been taken with most agonis ing pam in the pit of the stomach.

The cuttled perm in droudenal perforation is often more internse: the right of the midline b. t family becomes generalized and more severe in right lower quadrant. Shock was present in over 50 per cent f the author's cases in the early stages. Parietal and displaragnat! contractions with retching and womiting came painful peroxyams of indescribable intensity. The vomitor is alight in quantity and rarely co tains blood. If patient is examined ithin all hours he is usually found in variable degree of shock with legs drawn up shdomen retracted, and exceedingly rigid. Deaver has noted transverse constriction of the abdomen above the unbillious as if nature were attempting t isolate the inflamed area. Abdominal tenderness is marked and rather generalized but especially marked over lying the nicer Liver duliness may be obliterated with the scaphoid abdomen. The most character astic sign of perforated disodenal or gastric sileer is the peculiar density of the abdominal walls. Peri staltic sounds are almost invariably absent. A differential diagnosis bet een perforative ulcers ef the proximal decodenant and the pyloric end of the stomach is namelly impossible, except that the former is much more common than the latter

The uthor details the history of typical case and follows with another case in which entravenated field from peri rated elect followed the paracele grooves along accreding colon, giving rise to right lower quadrant peritoritus which cheefy simulated lower quadrant peritoritus which cheefy simulated

acute appendicina.

Immediate haparotomy with complete floation of the alter-desaring area by plication with postador gastro-jejucostomy is the rubonal surgery of chrosic ulteration of donotearm. Petric drainage and the Marphy-Ochaner post-operature treatment is used in all care. But of the thoric cases were admitted to morthened condution and not operated. On the shortener operated cases, all we subjected it has complete operation with two exceptions of all re-covered cases all with two exceptions of all re-covered cases all re-covered cases all re-covered cases all re-covered cases and the covered cases of the cases of the covered cases of the cases of the covered cases of the cas

Von Haberer Peptite Ulcose of the I jumum (Zor Frage des Ulcos pepticum Jejuse) Drainier chir Kosa, 19 3. By Zentralbi. L. d. grs. Chr. I Gernspel-

Von Haberer had the opportunity to interfere five there in cases of post-operative peptic ulcer of the lefunum, nly two of which had been operated primarily by him. One must differentiate the elect occurring t the anastomosis-ring from the true post-operative picer. Many of the explanations for the occurrence of the former (necrous along the line of suture of the mucosa, small suture-line abacemen in the procous membrane-ring, et) are insufficient to explain the occurrence of the peptic ulcar of the fejunum. Certainly many secondary changes occurring in the anautomosis ring are taken wrongly for peptic jejunal alcers Here belong many of the secondary contractions of the ring, especially which after button anastomoses, or after suture the opening was made too small for the exacting mencular hypertrophy of the stomach. Von Haber er during the last year has had occasion to operat three cases in which the pathology consisted al source contractions of the opening without any traca of recent or old inflammatory processes one considers the general chronicity and torpidity

of the post-operative people user of the jejunum, one is hardly justified in peaking of entred people users when complete negative findings exist at the ring. These facts are really questions of techniques at house the people users of the jejunum, is not entred as a result of people user of the jejunum, is often inde. In that case, however one will find, if not the treah user the remains of one when the anxious ting is reasered. In regard to the critical custom of the people is people users of the people of the people is people users as when the anxious of the people is people users we have nothing definite. The only certain fact is that hyperaddity of the gastric contents is of decided imnocrates.

The good results obtained in the three cases operated upon by the author justify the recommendation of the radical operation in peptic jejunal ulcers in severe cases, although ne can hardly hope to remove the dispositso t recurrence. Perhaps severing of numerous arrives may reduce the danger of recurrence. T the question of etiology nothing positive can be added from the observations. The author however was surprised at the length f time that elapsed before any of the patients sought surgi cal aid. It is also probable that the well-known victous circle between nicer and hyperacidity may also increase the disposition to peptic jejunal ulcer From this, the logical conclusion would be to resort to early and radical operation for every gastric ulcer. Very emential is the strict internal after treatment of all operated patients

Cheerer Acut Angeletion of the Terminal Herm as Cause of Intestinal Obstruction in Certain Cases of Acute Appendicitie. Beles M & S J 9 & circle, 7 9 By Sorg., Oysec & Otst.

The author reports three cases in which there was an artic angulate of the terminal portle of the besime following operations for pas ppendit. The patients were all operated as soon as they presented the besime following operations for passing the cases, and the patients reportly and another than the third they appeared on the airth all the patients reportly and and their condition of the patients reportly and and their condition became senors in a few bours. I the first case (p. 7) the woond was explored and literature was presented that the patients reportly and the same armounts in This artificial amost further that the third amost further when the artificial amost further the patients reportly and three weeks latter loop of the terminal firem with the artificial surve was reserved and the bowel repaired by an end t cond saustromosis, the patient making maildactory recovery. In the second case thus

or an end t can automotes, the patient making assistationy recovery. In the second case time, as waited endeavoting to overcome the condition by notion of conservative methods. A later skees, the terminal on saws the patient. In the later days to the terminal on saws the patient. In the later days the control of the later described the later of the later

The mechanism of this complication is apparently clear. The terminal portions of the flew occupy the pelvis in the majority. I cases, and in the presence of the athesive plastic crustate which accompanies acute appendicits it becomes fixed in the nume of a few days. Probably no definite learn results in the great number of cases, or nothing women than some degree of leach asis, but more variety, owing perhaps to the crowding out of the pelvis of the test of the ilcum an accute angulation occurs at the lowest fixed point which, with the condensation of the infammatory adhesion, affortis no destroction to the plassing of gas. Then crunes dilatation this in turn results in more taking and a valvelike obstruction which becomes used by aggintination of the concented serous surfaces.

Then the three can entire the stather come from the three can extend the stather can be actually a state peir to the first where the instance or gangerous appendix has been ten from the best to the can expendix and seem ten from it he floor the occurrence appendix has been ten from it he floor the occurrence of the earlier symptoms of intential state, especial yil appearing siter as interval of a few days of nor and convincement, should legal to the assumption that there exists an exute angulation of the terminal florms at the peire floor. After eliminating poorly placed drains as a factor a secondary operation should be performed. If the patient's condition does not partify this, a better than feorors hope in offered by fleatonry.

Ach Arterio-mesenterie Ben (Arterio-mesenterialer Ben) Bent a kim. Cher 19 3, http://
By Zentraibi. f. d. gen. Chir a. i. Grenzpeli,

Gastro-dooderal or arterio-mesenteric fless (acute dilatation of the stomach) is esused by the small intestine prolapsing into the privis and exerting traction on the mesentery which causes a compres-sion of the duodenum with secondary acute dilata tion of the stomach. According to other investiga tors, the acut dilatation is primary and the obstruc tion of the duodcoum secondary The anthor has cond cted extensive animal experiments and be lieves that the acute dilutation of the stomach is caused either as a result of disturbance of the nervous mechanism due t the anasthetic, o mechanically as result of the operation leading to overfilling of the stomach with dilatation. The author advises gastric lavage and the Schnitzler stomach position, by which the ileus can usually be A posterior gastro-enterestemy is aly to be considered in the very severe cases. Known.

Fowelin Amerikasia ef the Right Hac Regien for Operation in Chronic Appendictis (Die Ansabtesieung der rechten Damsheingubs bei der Operation der chronischen Appendictis). Zentralk. f Cher. 9, 3, 21, 22.

f Cher 9 3, xl, 142. By Zentralbi, I. d. gen. Chir. u. l. Granzgeb.

Fowelin operated cases of chronic appendicities under local anesthesia by the following method:

After anesthetizing the shdownisal walf, the needle is carried from the anestee reporter spice ten and the median use and plurged deeply into the fifth coses, and then laterally about the peritoscal will so that the injector flaid is well diffused. The method was texted in fifty force cases. In five cases, in five cases, the meatherials as not sufficient and had the support mented by laboriorm. The ligation of the meanter by alloworders are painful until Cases.

Histograf.

Lougard A Contribution t the Treatment of Acute 8 pointiffe Appendictibit Report of Series of 100 Cases (Bathig am Behandlong der abst citriges Appendertus Bericht über eine gunnnenblagende Serie von on Pilles) der ist His

Cher 9 L. 3 By Zentralisk L. d. ges. Cher a. L. Grenageb.

The thor nalyzes sertice() so cases of acut expression appreciation and it retirement of the perforation and it retirement of the perforacion from the surgical department of lorst tyches hoopstal. The results prove the dwantages of the early operation inserted the first adaptions in said at Votatol of 37 operations were performed on the on cases, with mortality of 6 per cent. Extrading one pleans

emprens operation all of the operations were per formed either for the error of the breals or to Reus. F libraine, the princary operation is death so curred (of perfuontis, of sepais, of Reus). deaths occurred as result (the secondary operations. The sthort the creeks the clinical symptoms, diagnosis, therapy and tabulates the cises. I perti ribit longard perfors the dry wabbling of

forms, dangerous, increasy on targeting the cases.

I perit initia Longard perfors the dry wabbling of the pus and he has improved his results since he jects bout 50 er of camphorated oil into the peritoneal cavit.

Dr. Assu.

Fowler: A Not. Upon the Treatment of Diffuse and Spreading Appendicula Perfectilists 8 numery of 78 Cases. Am J. Surg. 9 rck, 80, By Strg., Oysec. 4, Obs. I the series of 69 cases alread) eported 48

deaths occurred making mortality of 69.5 per

Peritoncal lavage was performed in fifty cases ith mortality of sisty-six per crat. I streeteen irrigation as not used and they showed a mortality of 75 o per cent Postural drainage was instituted in thirty-t o cases the 6 deaths, mortality of to per cent I fteen cases occurred prior t 900 the year this method of treatment was devised by the lat George Ryerson Fowler and fifty four cases ere after 900. Death occurred i eighteen cases which portural draining of the tenty t as not employed making mortality of 5 .5 per cent, or an increase over those treated by postural drainage of 3 8 per cent. The mortality of fifteen 805 and 800 as 93 3 per cent CASES OCCUPIED the mortality of fifty four cases occurring in the successive years up t 908 as 6 9 per cent I four cases enteroriomy as performed three died, mortality of 75 per cent.

The author makes the McBurney incision, or modification (the Fowler) and the rectus with about equal frequency, removes the appendix when possible and usually inverts the stump. Peritoreal lawage is not employed. Rubber tube drainage in perferred.

lifter careful consideration of these cases, the other concludes. (1) It is strongly advised that suspected cases of acute ppendicitis be placed and mal tained in the Fowler position. Postural drainge t be effectual must be maintained all the time. Early institution of porteral drainage is of greater benefit to the patient i preventing septic material from reaching the disphragmatic peritoneum than in preventing further absorption after this area is once savolved. Ambulance cases of appendicitle should be brought to the hospital in the sitting posture. The trunk should be elevated during the operation. The cart high transfers the national t and from the hed bould be clevated 1 the head. () Ochsaer treatment abould be instituted before and after operation and Murphy protectives aboubl be practiced.

The following table appertaining t the entire series is of interest and aboves the mortality during the successive years ith different methods of

the socressive

1	J	4	j	1	3	1	1]]2	1	3	[]	
mishilie		2	thing.					2				
res Total Manufity	1913	1 1 1 1 1 1		,	11	1	10 15	41.5 11 10				

Arms d Appendicatomy (L Appendicatoms)

J de chir | 0 L E, 273 | By Surg., Gymec. & Obst

Life all fattle established as the intential tract, appendication of oil poser is serve birth as way for the latinderties of solutions and as an entire latinderties of solutions and as an entire latinder that while not serving in the capacity of as artificial same, yet, except where the creat consumers of the control of the capacity of a serving in the capacity of an entire to every an entire the capacity of the capacity of the operation is arrived according to the capacity of the operation is varied according to

to be mobility and position of the occum and appendix. Mr. Arnard describes two methods—the pure, and the modified appendix for its which the blood supply of the appendix is cut of through flightion and section of its mesentery. I the pere

appendicustomy, which is preferable when the procedure is desired only for the introduction of solutions, the author insists that the excum he attrched it the parietal wall, using a collar stitch taking is an

the parietal wall, using a colar stitch taling it an area shoot the appendix the size of a sitter dollar. The modified appendix outsile as of a sitter dollar. The modified appendix outsile is a constitution of the control of the co

advantages, for it can be easily converted into a corcotomy. The mort by from appendicust my m

practically mil. Among the many uses of ppendicust my the treatment of colitis is of first importance. No matter what the form, all are benetited, the ulcerative type being most I vorably influenced. But appendicustomy is better than decoutomy on account of the case with which the fetale is church If the discuss be bimited to the ectum or sigmoid, it would seem that colout my is the left flux region ould be the operation of choice, both because of the case of torscal applications and because it fords egress for all femal matter thus giving complet rest to the discused parts. It has the no great disadvantage of being difficult to close - often re quiring serious second operation for this purpose Appendicationly gives excellent results, even in infammations of the rectum, and should always be tried before colostomy I irrigating the bowel through an appendicutomy a tube should also be inserted into the rectum to prevent over-distentio and possible rupture.

In infertions of the small intestile preedirects only is particularly specified to become of entertial intolving the lower part of the them. The modified operation, should is a be used in best results being obtained by etwograd catheterization? I the lower part of the stand the detected with considerable must be very presist a wind prefere to the distribution must be very presist a wind prefere to the distribution must be very presist a wind prefere to the distribution. The control of the control

Appendicustomy is occlusions is petinarily indicated in case of parayrmal streak. I an observe nature, seen mostly in old people. A haparonemy shows no defant cause for obstruction appendicustomy frequently refleves the symptoms. I dynamic obstruction, no matter where housted, pendicust my is the operation of choice. If the obstruction or occupion is due to a new growth, if the large intendie, colostomy is the operation of choice, provided the tumor cannot be promoved. If however it is determined that the growth can be later exceed, appendicostoray will permit of multicient temporary drainage

In invertrate cases of chronic constitution which have resisted all medicinal treatment, appendicutiony by providing an easy method of introducing off for hisrketting the bowel and liquids for macratiing the caked freal masses, affords market relief

Amand chairm default Indications for appendicatory in all forces feetons perform from the intory in all forces feetons perform the state of great of the bowel. It not only allows means of great software the state of the state of the state software the state of the state of the state software the state of the state of the state of method. It can be jie in the pattern in prostition to the state of the state of the restless, and how all there is no such disconfiort as at caused by the recall administratio. It about the comployed in all cases here pert in this is due to a perforation of a viscus in order 1 relieve the tenson of the chosing sattern.

Is complementary to other Interventions, [speed of resercion [the bond with stansation-ofs, produced on the control of the c

As means of nounthing the patient nothing can supplied the particularly if an artificial opening is necessary into the digeritor tract. But where the obstruction is low down or here is is desired to nourish the patient artificially if a short time only appendicustorsy is infanitely superior t jejumonount and the president of the patient artificial property of the president of the patient artificial president of the patient artificial president ar

Flushy pseudorat my has been recommended and need as mease of draining of this territy of the section of diseased appendix. The author does not another this providers, because chrosses appendix fits often causes the conditions for which it is no carefully conserved namely coestipation and collids. He consider that this organ so long considered a measure to if and a sucleus periodage, has been abown t possess properties which entitle it to be retabilizated as valuable diment; it he human economy not to be removed without adequat cause.

Elias Propert.

Legrand An Attempt at Sorgical Treatment of Intestinal Billiartials by Enterration and High Resection of the Ann-Recto-Spinuold At von Membrane (East de tulterent chiurgi cal de la filliariosa intestinals per éviceration et electron bearts de la monorea annotation-depoid leuns) Res and Expres 9, 1.

By Journal de Chicage.

Madden and Goebel describe two forms of bilbartial rectifts which, however, are presumably but two successive stages of the evolution of the disease the first is characterised by marked redness, thicken fing, granular supect of the mucous with tenessau and catarrhal or purulent secretion in the second. there is marked infiltration and development of polyps, the size of a pes, cherry or even of a pear These polyps are pedunculated, sometimes blind or even ramified. Digital examination detects them in the rectal ampulla, either single or multiple, and in the latter case, sometimes grouped in large and numerous clusters. The irregular outlies of the thickened sigmoid stuffed with polypi may perhaps be felt through the faccid and wasted belominel wall. The consistency of the polypi is soft and brittle they are very mobile, all p between the fingers easily and bleed readily Consequently, during this stage of the disease, the stools are very request. They are factal in character but once or twice day all the others containing only blood and mucus. There may be from to so stooks a day as in dysantery hence the name of bilinarial dysentery bestowed upon this condition by Firkst.

Sometimes the rectal sampalls is the starting point of simple or branched fortus which open on the skin of the sast margin, within or withort the spinners on the buttock, or on the interpal supers of the thights. The tissues surrounding said fastels are scienced, nontimes even of critiginous hardness and the skin assumes watery-like appearance, tream madication is singuished proveriess against termin madication is a tinguished proveriess against the samples. With a devotate in the market with the same of
Legrand suggests for such cases new operation which he calls estimately and high resection of the ene-rects element mucros On the whole this procedure is derived both from Delorme' and from Juvara's techniques for rectal prolapse or it may be likened to Whitehead operation for harmorrholds extended high up. In two cases operated on by him, the author resected r and inches of macous membrane, respectively. However in the first case, the resection proved to be not far-reaching enough, for two unremoved bilharxial polypi were unbecquently found in the lowered algorotid. One must not, therefore, healtate t remove an extensive area of mucosa -Delorme's resection of 3 faches for ano-rectal prolapse shows how great a leaway there is in this matter Post-operative recovery was per fect in both cases of Legrand's, but the therapeutic and result remains undecided, as arither parient could be followed.

continue and the continue of t

recur? This is undoubtedly the most serious objection against the method time slone will tail whether it is justified or not.

I Descri-

Rydyslam: Operative Treatment of the Trumsta of the Signoid Plexure and Recture (Lik kiefy postgorne when nonotworks carry I obysidey). Prayl, this I plast 170 J. vil. 34. By Zentriki, L. d. gas Chir s. I, Grassph.

The material t the Lemberg clinic consisted in 74 cases, the histories of which are given at the close I the article. Early diagnosts is important, therefore early digital examination is considered very valuable. The rectoscope is to be used cautiously and if possible always under the control of the eye. The excision of piece of times for dispositic per poses has been discarded, as the nature of the disease was evident in the majority of cases. The fact that the tumor is high up or has spread to the prostate, vagina or bladder is no contratalication according to author but he does not operate if it involves upper portions of the sacrum. The preparation of the patient is begun one week before the date set for operation and consists of castor-of and coemaa. Opiaiss are given before and after the operation. Executivation before operation is condemand on account of danger of bowel perforation. If the tumor is located at the lunction of the rectan and algracid, an artificial area is made about two wreks before the date set for the final operation. It is made in the mid-line bove the umbilious, the transverse colon being used. The diseased portion is then thereoughly impated

The author discards the operation per rectum and favors the abdominal or abdomino-sama route. H makes aldn and hope flaps on masse out of the transversely divided sacrum which is tarned out ward. He warms against opening of the bowel before the arguent has been completely separated. The peritonsum is opened to remove any involved giands. The superior hiemorrholds artery is lighted. After resection, the cut and of the bowel is fixed at the anus, retaining, if possible the sphireter func tion. Temponade is placed in the wound. In suturing the bowel, the author advises careful auture of the mucosa, as hemorrhages are thus avoided. At the Lemberg clinic 86.8 per cent of cases were operated radically. The mortality of the radical operation was 37.0 per cent, while in the pellintive method it was per cent.

Chalter and Bonnet Primary Melanetic Tumers of the Rectum (Les tumers melanique principra de rectum). Een de chir Par, ptp. riva de Ulliu, ph. By Joscal de Chirape. By Joscal de Chirape.

Challer and Bouset report case of melasoft tumor of the rectum, together with continuous driven from 64 sinfair cases reported in the literature. The autopsy showed generalized metastate master in practically all the organs of the body. Rath meianoma are generally confined to one will of the anti-rectal canal, occally the porterior and show to

tendency to become annular. They may form miltiple tumor which usually become potuncialized. The primary tumor develops in the submoosa, indivince he mucclairs and peaks forward the mecoas, which frequently becomes uderated. But the peaks to the peaks the peaks to the peaks the peaks the peaks the peaks the peaks to the peaks the peaks to the peaks the peaks to the peaks to the peaks the peak

The authors object to the chasification of these tenome as strong on the ball of their cellular form, since this is modified by compression. They consider these tumors at melanotic epithelionas, their histological studies having led them to believe that the malpiphin layer (from the anal extancess sone) is the point of origin. These tenoms are therefore cutmoon spithelionass which diductly show them selves as jettal temora, because of their upward militation in the sobmonous of the rectom with later secondary ulceration or pedanculation into the tretum.

The clinical symptoms of these tumors are very variable. Their evolutio may be absolutely latent. There is also painful form which shows symptoms of obstruction, diarrhora and harmorrhage. Other cases show as the prominent symptom secondary prolapsus, adenorathy or simply the presence of a temor. The examination may reveal submucous or subcutaneous nodules at the arrus or a polyp which must be desinguished from the usual hamorrholds or polyps. These tumors are mobile, often sur rounded by satellite nodules and usually early at least, covered by normal muccosa. They are artuated low down, are non-annular and have nodular surface. Melanotic cacheria, which closes the picture, may be diagnosed by the presence of pig mented granules in the blood and by the examina tion of the wrine. The total duration of the disease rarely surpasses one year. The only treatment is surgical. General melanosis alone forbids intervention and, even in this case the uthors believe that frequently a palliative operation is to be recommended. The authors advise a radical amoutation of the rectum, combined with a systematic extirou tion of the inguinal glands.

In the cases reported the operative mortality was 1 per cent. The lat results were studied in 80 cases. Eight patients are still bring, two with but recurrence, three with local recurrence, one with plandular recurrence, two with recurrence and measurance testing-one patients have died, four from local recurrence, saven from recurrence and measurance, twenty-one patients have died, four from local recurrence, saven from measurance without recurrence, and three from subnown causes. Measurements are found, therefore to 53 per cent of the cases and

recurrences in 58 per cent. Recurrence is usually local or ghandular. Certain of these recurrences have been operated with prolongation of the period of garvival.

J ORIXCIPC.

Acti Transplantation of Fascia for Rectopaxy and Naphropaxy (Fasciantransplantation sun Earth der Rectopatie und Naphropatie) Destroise

chir Kond 9 3. hy Zentralbi. f. d. ges. Chir u. i. Grenngeb.

In a rectopery Ach exposes the pouch of Douglas by means of a transverse supra-symphyscal incision with the pelvis elevated and strong traction on the pelvic colon. After incising the peritonsum, he mobilises the rectum widely downward up to the proximity of the sphincters, and dissects between vagina and rectum. H then removes a strip of fascia lata from the thigh ay cm. long, 8 cm, wide, and transplants this to fix the rectum and vagina. The flan is split longitudinally one strip being car ried almost circularly around the rectum and fixed to the rectum with a large number of sutures. Tha other strip is brought down anteriorly between rectum and vagina. With its free edges, it is fixed first t the rectum and then to the upper half of the vegina. To prevent adhesions, the fascial flap is placed extra-peritoneally so that the peritoneum. after the right wreter is pushed back, is undermined through the right ligamentum latum up to the borisonal rames of the publs. The fascial flap is now fixed here by series of sutures at Cooper's figument, after the rectum and vagina have been pulled up as far as possible by strong traction. The free edge is again planted extra-peritoneally in the abdominal wall and fixed to the musculature with

Ach operated a pattent with high-grade rectal and vaginal probage nine months ago. The fascial flap beated smoothly and, up to the present time, the pattent has had so recurrence, in spite of the extraordinarily wide and weakmed petric floor.

removed of nephropery. Ach has also used a few purposes of nephropery. Ach has also used a few purposes of nephropers. The LTDs course of the operation was as follows: The LTDs course of the operation was as follows: The LTDs for the operation and the nephrop of the nephrop o

Up to the present time Ach has operated ten patients. The first operations were done two years ago. The fascial flaps healed well in all cases and the result was securated. Note of the kidneys became mobile. A cure resulted in all except a hysterical person, who admits an improvement, but is not cured.

Definer Changes in the Differentive Processes after Generotectment of Castrologicamontomy Castrologicamontomy and after Total Extraption of the Stevensch (Adersuges in dea verture approximental Gentrologicamontosis and Gentrologicamontosis and Gentrologicamontosis, and such totaler Magenesimpulson Mata. a. & Grennyck & Med. Cab. 9.1, rrd, 76.

Franch & Med. Cab. 9.1, rrd, 76.

The author reports the results of his studies of the digestive processes in dogs after resection of the pylorus and after total gastrectomy. The chemical analysis of the stomach and board contents was made after the temporary isolation method of London. Six dogs were operated according to the method of Kocher (gustrodnodenostomy) and according to Billroth II (gestroje jenostomie ant colleg anterior with anastomous according to Brau) On two dogs gastric fietule were made, and on four boxel fatule 5 cm above the valve of Bauluni. The pyloric ring and the mara pylorics of the stomach were entirely resected. Experiments with five per cent grape sogur solution gave constant results - the solution left the stomach much slower after pylonic resection, and it was more retarded after the Billiroth operation. F riber experiments with ment, amylodentrin, (at, bread and milk showed gill greater retardation. After excluding the rhythmic contraction of the pylorus, the stometh contents are propelled much slower poarently became the refer mechanism is absent (which acts as transporting elevator or saction apparatus and overcomes the resistance. I the howel stuch easier The second and constant phenomenon is the return flow of the transpylone accretion into the stomach, as described by summerous authors, persisting one and one half years after the operation. This returned bowel secretion serves t split the carbohy drates thoroughly digretion of albumin occurs in an alkaline medium through the action of pancreatic ferments, and the fats become exponified, all in an organ pormally not adapted for such work. In the stomach of operated dogs, digestive processes take place which normally occur the duodenum, and upper and middle third of the small stestine. The small intestme commodates itself to these conditoos remarkably correct the processes and completes the digestion, as is shown by the author's experiments.

Due to generated according to Billiroth's method exceptored these people fejical alores opposit the anastronosis, and sever catarris of the totestime. Two other does above at tropolicy passerate drivinosis and the does operated on sever distinguishment of the several control
total food ingested, thirty per ceat mitroges was observed, fifty-eight per cent segar and serty-fer per cent fat. The deg did not loss weight, had good appetite and passed normally formed feets. At mtopsy, the deodernum was found markelfy distended, its walls thinsed, and the cylibelyms Acces.

LIVER, PANCERAS, AND SPLEEN

The author reports on cases. He divides all cases hat subcutaneous or closed and open injuries. These may be subdivided into uncomplicated and those complicated by injuries of other organs.

Among the op cases ere 18 subcursaeous ruptures of the hver with 3 cures and complicated suptures, both of which died 6 gamebot in twies with a cures, of thick a were uncomplicated by stab and focused wounds, with so cures, of which at were ancomplicated with an extres in 6, and 18 ere compacated ith an exitus in The right lobe and its proof sorface are most from injured. States wounds went through the liver in case the ound ext from below apward damaging the gall-bladder. The also of the wound as 0.5 5 cm. in diameter and 8- cm. in depth. I case a part of the tight lobe the also of an dult list, as torn off. The complicated injuries involved, besides the fiver the stomach (cases), intestine () hing () pushes () mesentiny () spiece () gall-bladder (), perkardium () and kidney (). The fiver was infured through the pleura and dispurages 19 times. In a cases the stomach and intestines prolament. Most injuries occurred in persons beand so. Forty-air of the tween the ages of oo cases ded (mortality 42. per cent) The percentage of entrus in the various forms of injuries is as follows subcutaneous rupture of the laver (833 per cent), gunshot infurins (333 per cent) stab and inched ounds (303 per cent). Of 47 cases of uncomplicated stab and lucked wounds of the liver, 6 dzed and 4 got all (2.6 per cent exitus) The mortality was lowest where cases were operated on in the arst to 3 hours. After 24 hours the mortality rises to 80 per cent and over. The causes of death in uncomplicated cases were harmorrhage in 7 cases, peritonitis following liver abscess in The treatment sims at arrest ing the hemorrhage in injuries of the liver. The utbor prefers tamponing the fiver wounds with free figs of conentron, which acts mechanically and helps congulat the blood, to soluting and the Blarly tampounde. This tampounds was succes-fully used in 8 cases. With this treatment

the patients remained in the clinic on an average to days with a Marly tamponade they remained so days. Jores.

Branit and Grégot Chronic Icerus Dos t Retention; Stetnoals of the Ductus Choledochu I Choledocho-doodenoeromy (Interchentique par riteution admoss du Choledoque chektoco-dondomotomy Ball, et sem Sec. Med. 4. 189-46 Per 9.3 xxxx, 815. By Journal de Chirurgia.

A soman of 45 years had suffered since the age of as with pains in the right hypochondrium. In December 9 following particularly patintal stack hich was a companied by vomiting and distribute. Items appeared and persisted. In famil, 0, 2 the items which had become channel and the stood and persisted. In the four months and the stood served over the stood in the four months and the stood served of slight remission, during the product of slight remission, during which the pundler had been somewhat he an arrived and the stoods somewhat darker I Aront, there was no longer any pain. The temporarure had never piece a layer soons and and the general conduction of the native was evedent.

The patient was operated on the 5th of April, 5 Kohr's merison. The gall-bladder was found to be fibrous and contracted: the dimension of mit. In seemed parked with calcult and the region of the cystic duct was masked by adhesiona. The yatic duct taiff was descented in its lower portion and as then found to be reduced to a fibrous cord, the lumme being completely obterested.

While searching for the discuss cholecoheme series arterial kennorthage occurred which seemed to come from the hepsite artery or from some important a somession branch. A haper was interoduced into the foramen of Winsdow and anterio pressure was exerted, which produced immediate consistion of the bleedung. The rivery was then found to show a small kink which was obstraved by lateral ligature with fine sills. There as no further bleeding from this source, and the arterial polasistion how the figurity was assurance that the circulatio had not been interrupted.

The ductine chelectochus was not dilated but peaced your finishle. A No. sound could not be peaced lower than the superior pancrests portion of the date and only the finest curved sound could be peaced into the intention. No calcular was discovered by these maneuver. The head of the pancress was not indirated and showed no apprecial signs of inflammation. Grivour considered that there was present double stronger of the billity that was present double stronger in the cyclic duction of the control
The ductus choledochus was divided down as low as possible and the superior portion implanted on the upper surface of the first portion of the duodenum. Two lavers of sutures were used, the first complete

and the second superficial. The infra-hepatic com-

The post-operative couns was simple. At the end of four weeks all trace of letters had disappeared and the wond was closed in ais weeks. The patient, when seen one-part later was in perfect health yet the conjunctive still had a slightly fetter tinge. Brasil and Grégoirs state that eleven similar cases have been previously published in France [singled intentment] select-destricted steeds of the chief billary doct. Mayerne Carasses

Friedrich Pancreatic Affections and Rare Affections of the Doodestum and Their Value for the Bifferenthal Disposes of Duodessal Uters (Pankreatische Affettions und Schunere Affettionen der Doodesmus in Ihrer Redestung ist die Differential Dispose des Uten dooden) Destocher die Kesq. 913.

913.

917 Zenrikh, 1. d. ges. Chr. u. i. Grauppi.

The author discusses pancreatic affections (un usually large stones, pancreatitis) and rare affections of the duodenum (currinoma, polypi, diverticula) in regard to their significance in the differential diagnosis of duodenal nicers. He bases his conclusion on sixteen of his cases. (Among no hundred and placty-three stomach and duodenal operations. there were only five f duodenal ulcer and a for exactr duodeni.) I the case histories of duodensi ulcer a long period of illness, generally termed stomach trouble, always precedes. Vomiting occurred frequently, noctornal pain regularly and now ad then also self-observed emaclation. Symptoms of stenoris and humatemesis are found especial ly in duodenal capter blood in the stool occurs also in duodenal ulcer Hunger pain was only occasionally observed in ulcer duodenal flatulence was more frequently found in associated or isolated affections of the pancreas (pancreatitis, stone in pancreas, pancreatic dermond)

In air out of fourteen cases of there and carcinome of the duodement, the pactores was also introlved, and three times in cases of taker. The a there gives the draits I all this fandings. In two of the six cases of carcinome i the duodemum, pressure more the common and pactoresid ducts set in, case-ing metano-atterns and necrosis of the pancreas. In addition, the suther report attwo cases in which a large diverticulum of the duodemum containing a pancreatic tones (5,0,2,3 cm.) caused fatal complications. These diverticules were pressing against the common duot opening.

Nardmann Experimental and Gloical Relations between Acute Nercosta of the Pancress and Cholecystilis on the One Hand and Choleshithsiae on the Other Grapmonateles and Bloiche Zosumentaga, resistent abuse. Pancressederos and Cholecystilis hav Chelchithsia) Pentrike date form. 2 By Zohnhil I. d. go. Chir u. I. Grength.

ny zentant. t. d. ges. Chir u. L. Grenzgeb.

Nordman points to the fact that in so per cent of
all cases, acute necrosis of the pancress is associated
with either cholocystitis or cholelithias. In this

experiments heretofors conducted to explain these relations injected bile as injected into the ductus pancreaticu. The positive results of pancreatic necroels obtained in this manner were according t the a thor caused by the fact that the very pacbranches ere probably contured and the nancreatic secretion was pressed list the pancrealli tissue. The results thus obtained, therefore do not per feetly parallel pathological conditions as they occur in man. In his experiment on thirty dogs he closed up the papille. Ith a silk ornegut suture and injected bacterial mintures into the gall-bladder It was possible, in this manner using careful tech ique and not handling the pancreas, to produce typical acut panerestic prerests associated lib hemorrhage and extensive necrosis of fatty times which is macro- and micro-cordcally analogous t that hich occurs in man. If only the upper paralla is ligated and the lower duct remains outouched, no changes occurred in the nancreas mill of infection of the bile tra ts. The results were blewiss nerative if both the parallee and the common duct were ligated alongside of the paperens and infertion material then introduced int the grill-bladder Aordmann is of the openion that these exper iments panerettle across doesced by three factors () by the sun lianeous exclusion of all pancreatic just and bik from the duodernum which must be samplet () by the presence of infectious mat rul in the gill bladder (i) by th seen by the course I the anatomical trut ductus choledochia and di tus procreation in the dog, which or asionall recentles the anatomical relations found in gu Both dact empty into the upper papells in the duodenam of frequently form a small amoulls by their nion bove the papilla so that in figure of the latter bile can ent r the ductus nancreations. The ennical observation

experimental result He had the opportunity to operat, on eight cases of severe sent paneres necrosss. I the first four cases the pancreas as des psulated and drained from all sides, ther through the bgameatum gastrocolleum or through the lesser onestum. This followed by abdominal lavage All procedure died in collapse shorth after the operation 1 the pert three cases, the gall bladder as drained in one and sturpated in two. I these three cases, drainage of the bile docts was done in addition t decapsulation, drainage and tamponade of the pareress. All recovered. The eighth case as not operated on on account f collapse and few days later large left skied subphreak aboves was opesed. One patient he had very severe galf stone color and alight icterus preceding the ttack recovered A topey of the operation revealed the presence of gall-stones in all cases. Pancreatic secretion was discharged through the common bile-duct drain is all cases in bich the gall bladder was opened. From this the author concludes, it's certai ty that both ducts unit some distance above the papil

of Nordman completely correspond ith these

ii. In where of these chalcal experiences, conformed by experimental crisience, the a thor advises, wherever possible to drain the gall-bladder and the common bit-check in every case of sever passerate necrosis. The gall bladder should be entirpated when the patient's condition permits it if it is easily accessable and marked changes have taken place.

Catwardine and Short The Surgical Significases of the Accessory Pancreas. Ann Surg Phila, 19 3, 1vil, 653 By Surg Grace, & Obst.

The frequency and position of an accessory paacra with the conditions in which it may give the it surgical affections are discussed by the arthor. Two case histories are cited. It do got only you cate of accessory inspection or on record

cases of accessory panetras or on record.

The accressory panetras is small rounded nodele, which may be large as filtert, structed somewhar it he will of the almosteraty reant though in one case it was found in the abdominal all. The occurrons principles are: (i) his be sail of the doodraws: (i) in the first order to the july of [a) in low re planned eight poles of the july of [a) in low re planned users. Histoderically the accessory purposes above purpose in the propose and the proposed panetric surrective and well defined distinct.

typical patertesite attracture and with defined district. The accreasity paterters any give the to trouble I four ways. It may product mechanical alterations I the walls of the abstractary tract. Servical such cause have been recorded z. It is Maklet a sour patertaints. The authors It is Maklet a sour patertaints. The authors It is Maklet a sour patertaints. The authors It is the haloty of their own cases consign neser that cause. It it may develop through it is distributed at It was completed to designed at the cause of bloominal traption. It is Maklet as cause of bloominal traption.

If I want to the complete is the designed of the cause of bloominal traption.

If I want to the complete is the designed of the cause of bloominal traption.

Fowler Cysts of the Spicers is a Surg Phila 9 3 trai, 654 By Surg Oyner, & Otat.

Fowler a netwise at more commenceation that of all

Fowlers article a very comprehensing one of all ing the pathological and surgical to do of certs of the spikers. He maintains that distinction must be made bet een () hematomas () cysts arising from the disintegration of spikers these, and (s) resulte event. The latter be divided and denote the distinction of the di

parasitie, od ace-parantic cysta.

Cysta were found by him to be slightly more
common in women between the ages of 30 1 30
years. Malaria and syphilia seem to exert an its
finemen (curvation. A rather concise classification
according to the origin of the cysts is offered by the
subor as follows.

Traumatic cysts (hamatoma, large unifocular cysts percondary serous cysts)

cysts aecoudaty scrous cysts)
s. Infoliation cysts (traumatic or inflammatory includoes of peritoaeum). Small multiple — super ficial and deep.

Dilation cyst. (ectasia of spienic sinuscs)
 Dislategration cysts (artiling from arterial degeneration and occlusion or other arterial acclusion, as from emboll, and resulting in infarction

and necrosis of pureschysta)

5. Nesphatic types (hemasgioma od irra
phanetoma).

Lensellier

Other conditions

6. Degeneration cysts (arising from secondary

changes in s) I forty-three cases in this series the contents were stated to be hemorrhagic. Seventeen were subcapsular hematomats which are usually large, single, and unilocular Twenty-two were scrous cysts eight of which were small, superficial, and multiple. These occur most commonly on anterior border of spicen, seldom upon the posterior border or coursex surface, and rarely upon concave surface. Twelve were lymphatic cyrts o lymphangiomas.

Clinically the most frequently recognized cyst is the large unilocular variety I the hamorrhagic or acrous type containing from ne to ten litres. Cysts give no symptoms as result of involvement of spienic tissue per se. Large cysts give pressure symptoms and in some cases symptoms arise from adhesions formed about the spleen. Pain of a heavy dragging type, in the left hypochondriac or epigustric region is the most predominant symptom. Castro-intestinal and respiratory symptoms may result from pressure and be quite marked. The tumor mass is usually located to the left of the umbilicus. Percussion reveals a mass continuous with spicule duliness which may be movable or fixed, smooth, irregular and of doughy or clastic consistency Fluctuation is not always present. Friction fremitus may be present over spienic area. Ascates is neually absent except in ew growths.

The diagnosis is rarely made clinically A history I trauma, the rapidity f growth, location f mare, and character of pain are most important desiderata. The condition must be differentiated from other splenic enlargements and cysts of other abdominal

contents.

Cysts have been treated surgically by () punc ture, () Inciden and drainage (3) excision, and by (4) splenectomy Puncture is a discarded procadure. Incision and drainage as one or two step procedure has been recorded in fourteen cases. Results were not stated in five cases, seven recovered, and two died. Excision of cyst was practiced six times. Four recovered, one died, and the result was unstated in one.

F wher has been able to collect twenty-seven cases of splenectomy for cysts. The result was unstated in two cases, one died, and twenty-four recovered. R W MCNEAL

MISCELLANEOUS

Corner and Cautley Diagnosis of Acut Abdominal Conditions of Children. Practic Lond, 9 1 Ec, 798. By Sorg Gynec, & Obst.

Corner feels that it is largely the work of the practitioner t diagnose the condition. The work of the surgeon is taken up usually in confirming the opinion of the practitioner. He gives a table com-paring the frequency of acute abdominal conditions in children and in adults. The table is produced from soo cases in children compared with three times as many adults all from the same hospital.

Acut condition of the appendix 44 54 Intestinal obstruction (not including latesausceptions) 13 Intersecryticas 47 Perforations of the alimentary tract ٥ Gynecological conditions Peritonitis of other prizing

This table shows the great preponderance of intrassuception and ppendicitis among the acute abdominal diseases of childhood. Another point of a great deal of importance is that peritonitis of doubtful origin is of more frequent occurrence in children than in adults. Given acute abdominal conditions and a child under 4 years of age, intus-susception is most ilkely to be the cause while over 4 years appendicitis is the most frequent condition encountered. In children under 4, appendicitis is present in only 8 per cent, while over 4, intrasusception is present in only 5 per cent.

Corner has found the presence of enlarged lym-

phatic glands in the meantery to be very frequent. He regards them as tuberculous, caused by the bo-vice type of bacillus. One abould not be too hasty in advising operation on children, and rectal examinstio should never be omitted. C. G. G vare.

Jacoberts Laparo- and Thoracoscopy (Über La-paro- and Thorakostopie) Beitr Min. d Tuler hal., 9 3, ETV By Zeotralbi, L. d. gm. Chir L. Grenegeb

The author has extended the method of cystoscopy of the bladder t the peritoneal and pleural cavities. Laparoscopy is performed with a Nitza cystoscope together with suitable trocar. In the execution distinction is made between cases with and without excites. I the former the fluid most be drained off with a trocar Filtered or unfiltered air is blown into the cavity until the patient com plains, the cystoscope introduced through the trocar and the abdominal cavity inspected. The parietal peritoneum is very sensitive to the touch of the lamp of the cystoscope. In patients without ascites, the direct introduction of coarse trocar is not possible because of the danger of injury t the intestine. The author finds his way with dull puncture needle. The space in the abdominal cavity in patients without sacites is often very small, so that a comprehen sive picture of the liver or organs cannot be obtained. In cases without ascites, the author advises against the use of the method owing to injuries to the intestines. Laparoscopy is restricted t examination of superficially placed parts. Therefore this meth od is of use only in diseases of the liver peritoneum, and conditions with ascites. The effect of therapy can also be determined to a certain degree.

technique in large corpulent patients is difficult. The uthor examined 60 cases by isparoscopy for diagnosis. The patients presented the fellowing conditions: Circhosis of the liver in fourteen, diseases of the liver with picture of Pick s disease in eight II er lues a three congression of the liver in four tuberculous peritonitis in six, abdominal tumors in twenty fou and ten cases of minor i ter est. The l changes in cases of chrhosts of the li er offer no diagnostic difficulties. On the other hand the cha ges in the peritoneum re not ery easily determined. Gray red or fleshy red color of the i er must be considered. Diagnous of Pick disease can be made by lanaroscopy; ith a more or les degree of certainty I luca of the la er the method proved of practical live one seem buch it as not clea hether the enlargement of the li er w due t alcohol or fuetic infection. The road tion of the lobes indicated lines of the liver I stass of the liver the method shows that clerhous of the Il er is not present judging by the superficial changes I the six cases of a berculosks of the nentoneum the t bercle-ik podules ere plainly seen by liparoscopy 1 siles of the stent of the t bereukous also obtained 1 malignant t mora of the belomen there is no doubt of the findings. Met etse growths on the intest se liver ad pentopough re early recognized It is more difficult t recognize them the omegium especially when it is very fat i cases but it is not possible t decide macroscopicali, il carcinomatoria, talicroplora or lucia, banges to represent one cannot expect t do w the I reprocess

I thurstoscopy the thur goes the same rea-I parma ony The skee and plears more 187 be thoroughly non-hettered beforehand, so that the theraces one may be moved lithout brodrane in all direct ins. In pleumi esudat is drawn off out repla ed by at. Two high an air pressure in the thorax spac should be outed because of the dange of emph seems of the Len feer the comple tion of thoracoscopy. The past of predilection for the introduction of the trox in the sixth or seventh intercortal space somewhat medica to the anterior axillary line. A certain oil absolutation is necessary the best por t is the line bet een the exed t and the normal tissue. On directing the thoracoscope pw rd one see almost the entire pper lobe this is especially possible in cases of complet poeumo thora. On examming the parietal all, distinct difference is seen bet een be riles and the

intercontal spaces. The patient is placed preferably on the sound side: the aplient under the challenge of the case of the cash of the creative is not removed, the author intercore a thin cather intercore a thin cather intercore and the case of the core and the attaches a Potain appearatus t seek it out in thoraccoropy of the lor part of the thorac, care must be taken not t injure the diaphragm on introducing the suffer of the trechar.

He examined serveries one cases by these except The following questions seemed 1 has of particular importance 1 if possible to draw reconclisions on the asters of Jesion from the changes seen by these occupy? Is it possible to distinguish but een tuberculous plearity and one of any other etiology? In the leves a cross in which a tuberculous plearity

shows by other methods (guines pig injection, 1-ray) there wa an intense reddemor and suchias of the seroes and the difference between the ribs and the intercostal spaces was obliterated. Whether t berculous podules could be seen depended spoo the hand and the stept of the fibrin formation. However the uthor did not decover marked differ acres bet een the different kinds of pleuritzies, since the hanges such were seen in I berealous plean y ere also found in son referentous discues of the circura. I serous or sero-harmompagic picturi tides the following was found. The taberculous lorges showed mease reddening of the surface of the plears like loss of the difference bet een the ribs and the i terrestal spaces and the formation of tayers of fibran. I armie cases gray bits nodules to often seen. Is house be regarded tuberden. The more marked the abein covering becomes, the more difficult it is I recognize the nodules, Idopaths: pleuritules she ed the same appearance in general \odules are also present hich are very much like the t bertie notales. I non-tuberculous pleu tides there is hyperxmia of the surface of the pleura. The difference bet een the ribs and the intercontal apares remains abrita formation is usually alight ind podules are not present I chrome pleuntides the principle point of interest is the question of differentiation between tumor metastasis and broak inflammatory pleurits. The uthor did not find characteristic banges for tuberculous in cases of corps cma

SURGERY OF THE FATREMITIES

DISEASES OF BONES, JOINTS, MUSCLES, ETC. OENERAL CONDITIONS COMMONLY FOUND IN THE EXTREMITIES

Dument Experimental Contributions t the Pathogenesis of Acut Hazmatogramus Outcomyreltin (Experimentals Bestrige are Pathogeness der akuten kvantogenes Outconyelds). Destads

Pixie f Ck 0 1 con. 6
By Zentrolbi I d gr. Clor i Grencyeb

Le et is the first experimenter he successfully produced i rabbits, dreased conditions correspond ing i localuzation and anatomacal and chinefal exprantores with those of sout properative outcompretities an man, the any degree of replanty measurements of the continuous charges of any anatomacal continuous charges of the continuous charges of the continuous charges of the chine factor for the duesse trust their planet on sign of the duesse trust their planet on sign of the duesse trust their planet on sign of the duesse trust their planet on the planet like in the continuous charges of the continuous continuo

explain the first occurrence of hæmatogenous in-

icctions of the bones as follows The staphylococci that by their blological char cteristics are most inclined to grow in clusters, become walled off in the minutest endarteries fan osteoblisti zone where they multiply and form the first small abscesses. Metastatic abscesses canned by embolic lodement f separated groups of staphy becord are remonable for some of the multiple foci The origin of exteem elitis by ctual embolism is very uncommon Dumona encouraged by T vel, studied the theoreticall constructed principles of Lever by micro-copi evacuinations of serial cases as well as by riginal experiments. His emerimental examinations established the very mnortant f et that out those kinds of staphy lococci re virulent rabbits that are hamolytic hen brought into cont 1 th t blood. The specific B cillus osteomyel tis Hencke is not crepted as it makes no different here the taphy lococci are obtained -- bether from acue pustules, furnicles, or other infections - no whether they are white or yellow Th ther as invariably able, by means if the hemolytic startly lococci and coording t their quantity and virulence to produce ary ng cases of purulent hematogenous osteom ebtis. These cases presented all the variations from the acut foudrovant premic form terminat ng death in a hours without the development of any outcal foca, t the cases progress g ery mildly m buch the animals remai ed alive and there ap-

ith sequestration For microscopic examination the technique of hich is given in detail, the femora of ten animals ere utilized. These were killed by ajections into th veins f the cars t different intervals, of cultures diminished virulence. I all cases there were multiple foct in seven if twenty cases, the foct were in the epinbysis and showed no connection with other parts, bence the assumption of anatomical difficulties in the way I spreading of the processes from the diaphysis t the epiphysis through the cartilegmous structures, was confirmed. In the first s-4 hours after the injection, the cocci were found in the blood only, after 6 hours, principally in the smallest vessels of the bones after 5 hours, the vencel alls were broken down and the oreanisms were found clustered in the adjacent tissues after 24 hours th first circulatory and nutritive disturboces were noticed. After that, small-celled infiltrations formed around the clusters of coord and degenerated into miliary abscesses. The liberations of emboli, as accepted by Lexer were not found. Lexer hypotheses were otherwise strengthened and supported by the author' experiments. Servess.

peared all the symptoms of chronic osteomychile

Morison Injuries t the Semil nar Cartileges of the Knee-Joint. Cit. J., 9 3, zlk, 1 By Surg. Grase, & Obst.

The wther believes the most favorable position of the limb t allow of | jury t the semilunar cartillares

is ento flexion of the lines accompanied by a twist in the adducted position it may occur however

the end of forced extension.

R pture of the carriage may take place without the severe pair we are accustomed to expect the pain is not due to the fracture but to the displacement of the fragments between the bones which causes a stretching of the ligaments and a locking of the loint.

Locking is are except in extension yet it may occur during friction or 1 both positions, depending upo the location and extent of the reputer. As fractions with displacement of the fragment antenor is apt to produce locking with extension, one with displacement posterior will prod ex locking in the fixed position while a pedineculated fragment long enough t reach both the anterior and posterior parts of the joint may produce locking which occurs quant of the joint may produce locking which occurs quant for the logical produces and the position of the joint may be produce locking which occurs within a few bours after the falgury is possibly due t trumatic

synovits.

There is often tender spot over the interior indifferent on the joint and more or less wasting of the muscles. Recurrence of the condition I om the time with intervals which to free from any disturbance hatever repoi is of very great diagnostic importance.

Unloa of the reptured earthages may be facilitated by plating the limb in effective splitts for six to eight weeks but after recurrence the proper course is removal. I all fragments through—good exposure if the joil.

The operation is one of the most successful in surgery failure rarely occurs except in those cases where some fragment has been erlocked.

ROBERT B. COVIELD

Hartung Contribution on Hysterical Centractures after Accidents (Beitrag aw Labre der hysterischen Contracturen nech Usalil). Arch. J. Gelieg. Heckenschress s. Gufafcher Wiesb., 9 3 zil., 14.

By Zeutrubl. J. d., ge. Chir . i Grenzub.

By Zentralid, f. d. grs. Chir. i Grenapsio.

The author gives a detailed account of a contracture of the shoulder joint after severs myory t. the elbow Joint. The author a view consides with that of Trappe that a hysterical contract re similar to

of Trape that a hyaerical contract or similar corpus disease develops along defair that the primary physiciopic fixation of the joint in the primary physiciopic fixation of the joint in the position which gave lear poin became permanent and pathological under the influence of the hyatrical factor. I contradistancia to the beatily person in whom normal condition, gins sets in fer heal fag of the higher and cessure of the joint pain of the pain the hyatrical patient these I lowered will power, in unable to verecome the sensory infration: ratim diss resulting from the fination of the joint and fine neighboring muscles with the result that the primary physiciscical reflex contracture develops not permanent hyatrical contracture.

Gorner.



Fig. 1. (Detrance.) Note distribution of arteries. Fig. 3. Councern -tunnes space disterded. th wax under pressure: Dotted hos where incison ook! extend. Fig. 3. Line of incision one bull noty thorus.

Dorrance Treatment of Felons with Reference t th Pathological Anatomy and Location of Incisions. J Am H Art. o 4, 12, 14th. By Surg. Opinc. & Obst.

III defines (elon as an Inflammation of connective tisses space which is dictested on the pulmar
market on several desections of lebons and by inmarket in several desections of lebons and by insections. (Figs. and) The spilephysis of the
dutal phalan is supplied by Dranch from the
digital rivery before it cutten this space whereas the
digital rivery before it cutten this space whereas the
digital rivery before it cutten this space whereas the
artery attention of the disphysis is represented by
the control of the disphysis in respectively
becomes secretic.

calculation as in any other connective issues gaze such as rub-sponeurous infection of the sculp or such as rub-sponeurous infection of the sculp or outcomyrists of the long bone, free and quick drainage is essential. Il dress argumst inaptrodical incision over the paid of the finger as it to see not allow free drainage, and has a tamedocy i close up and requires frequents and as a strength of the inaptrodical incision but does not give the desired quick and free drainage and requires frequent patchage. The fodicion he davises (Tg. g) starts it the level of the base of the sail in cross over the first of the finger; g the the sails formers over the first of the finger; g the of the factsion, thus making. Sap of the the of the finger. A piece of rubber tituse is placed in the



Tig. a (Dorrace) Would after achien Method of report) introducing rubber times.

appermost angle of the ound as above in Fig. 4.
The ound is then dressed with sair position. The dressage are kept most: and changed evere day or so, no pa king being required. On about the blind day the student tissue. Ill come way and this ound till gradually ince. For the first leve days the would will appear it have been larger than was most off the blind breasts. Ill quickly dispet any mach kits; the final treats Ill quickly dispet any mach kits; the

FRACTURES AND DISLOCATIONS

Vocalier Diagnosis and Trustment of Fractures i th Region of the Etheev-Jeint (Dagnoss and Thompie der Friktmenn in der Nick des Ethogesgrichts). Med. Kim., 9 J. is. 447, 469 By Jantinib. 1 d. ges. Chir L. Gesangeb.

The most important inseture of this region is the approach; at which occurs as an extrasion or a representative which occurs as an extrasion or a represent. The approach of the considerably left disposed by break in the axis of the upper arm the normal forcition of the description of the factors and median condytes. If is the fracture of youth and results from a full peop the extended hand or upon the fixed force-mr I cases without additionation ergoins and force-mr II cases without the contraction of the fixed force-mr II cases without the contraction of the fixed force-mr II cases without the contraction of the fixed force-mr II cases without the contraction of the fixed force-mr II cases with or though a fixed force-mr II can be contracted by the fixed fixed force-mr II can be contracted by the fixed fixed fixed force-mr II can be contracted by the fixed fi

(mushs bandage and cast) may be used. Reduction a effected by backward traction on the upper arm and downward traction on the fore-arm, nexing it to a right angle to overcome the shortening. After two t three weeks active and passive motion is berun under the observation of the physician. The fracture of the external condyl is recognized by the local swelling of the joint, by local sensitiveness to pressure, by the mobility of the condyle, and lastly by the cubitus valeus. In this fracture the sym metry of the three points (both condyles and ole-cranon) is disturbed. The treatment consists in replacing the fragment and the application of Kramer splint with the arm in right-angled position. If dislocation is marked, extension is to be preferred. If the condyle is rotated 90 or more, it is necessary to spike it or wire it in its normal location inscrure of the internal epicondyle is diagnosed more easily Fixation of the arm for 8 to 4 days is the best treatment. The olecranon is fractured usually by direct force and the fragment is drawn upward by the traceps. The arm must be put up in extension to bring the fragments as near as possible to each other. This can be akled by bringing adhesive strips from upper fragment downward, both eldes of the arm drawing the tragment nearer fracture of the head of the radius is at times difficult to recognize. Painful pronation and supination of the fore-arm, with the hand upon the head of the radius will confirm the diagnosis. It is best put up in right-angled florion on Kramer splint solint should remain two weeks in children and three weeks in adults. Active motion may be done at home with safety. The prognous is good and in spite of the early formation of calles, the result will manally be rood. VORSCHUTZ.

Barrean Injuries t th Condytar Cartflages (Ober C Knoppel-Varletumpen) Best klis Chir 9 3, hxxms, 633 By Laotrabil, f. d. res. Chir. u. i. Grennerh.

The author discusses the mechanism of meulicominputes and concludes that reparation of the semilurar cartilages can only occur in normal loints with firm figurants, and then through facelile rotation of the leg against the femut with disultaneous can increase of the quadricers mucks. Without this contraction only process cartilages can be teen from the condyles, and then only by madein passive extented in the contraction of the contraction of the conclusion of the contraction of the conclusion of the contraction of the tops.

The diagnosis of injuries of the sent-luner cartilage is not straye car. The treatment in recent injuries should always be conservative, in older one operative nature of the cartilage seems of questionable value, and partial resection predisposes to earthrild selections. The author therefore advises total entipation of the injured and separated cartilage. A detailed account is given of mis cases treated by operation, among which only no inroved the lateral menigen.

Winslow A Case of Complete Anterior Dislocation of Both Bones of the Fore-arm at the Elbow Surg. Grace. & Okst., 9 3, 2vi, 50. By Surg., Gyoce. & Okst.

This is a case of anterior dislocation at the cilow obscuring in a boy aged o. As he was carrying a boacter filled with water be tripped and fell upon his right elbow producing an anterior dislocation or cultial boars, which was verticed by a shagraphic control of the confidence of the super end of the radius and conflicted. The upper end of the radius and union was fell in front! the humenus while the articular surfaces of the humenus were palpated posteriorly. Reduction was effected by accretic flexing the elbow and pashing the bones of the fore-arm strongly downward.

and acoughy cownward.
The interest in this case lies chiefly in its rarety, as, according to Stimson, the number of reported bearvations has not yet reached twenty five, even including seven cases in which the observations was broken it and remained in place posteriorly. These dislocations invally occur in the young and as frequently compound. They are generally does not requestly compound. They are generally does cases tend from a full syonate outside the cases result from a full syonate outside on the created for a full syonate of the created outside of the created outside
Reduction, probably is most readily effected by fering the fore-arm acutely and pushing downward and backward. In some cases reduction has been accomplished by passing a band around the upper and of the fore-arm and pulling downward, while parts. Effects in the humans to force it backard. Reduction the humans to force it backbard. Reduction the humans to the second to the property of the property of the proor th arm of an assistant.

SURGERY OF THE BONES, JOINTS, ETC.

Murphy Arthroplasty & Ass. Surf., Phile., 013, 164, 263.
For clinked purposes analysises may be divided into () boary, () cartilaginous, () shows (d) extraordinate () boary, () cartilaginous, (3) shows (d) extraordinate are taken by a commencement of the conditions are taken by a commencement of the conditions are taken by a commencement of the piec consists in interposing between the bonespieches are taken by a control of the condition of the

patient will have useful as well as a movable joint.

I general, the elements which have contributed most to the failures have been () insufficient or defective executo | capsule and bigaments ()

insufficient interposition of fat and fascia between the bony surfaces (3) infection (4) sensitiveness t pain a motio after operation. The interposing material must cover the entire articular surface i

the bones, being attached, however, to only one bone.

The technique in the various foints differs, not in principle, but only so far as necessitated by the in

dividual joint.

Murphy has made use I two Indians to expose age the hip beat. The original one was U-shaped flap about I inches wide and I inches long with the base up. The Inciscon begins I is Inches above the base up. The Inciscon begins I is Inches above the base the Inciscon begins I is Inciscon to Incition to I then up t. a point opposit the conmencement, thus plading the trochaster approach that I inciscon is made along the lie-trochaster approach bout inche below and to the outer nife of the trobut inche below and to the outer nife of the trobut inche below and to the outer nife of the trobut inches was the content of the United States and the bout inches was the content of the trobut inches was the content of the trobut inches are employed as a quesanded by the inincident are employed as a quesanded by the in-

dividual case. The next tep is to free the trochen tes, leaving its muscles tracked to it.

The patella has been handled in four different ways () Interposing flap from th vastus externus or interests. (s) Splitting it in reo from above down, then turning the upper half under the lower so the smooth apopeurotic surface comes pert to the femur (1) Freeing the vastus trachments to the quadriceps for tw inches hove the patella sext dislocating the patella from sid to side during the operatio when the limb is strughtened out and the flap interposed the patella is separated from the overlying skin and fat by blunt screws dissection up over the quadricers and down over the ligamen. tum patelle t its attachment, so rotation of the patella is made so the upper surface of the patella becomes its articular surface and the prepatellar bursa side in making himng for the new joint. The upper surface of the patella is trimmed down with forceps until level. The vastl are now sutured to the opposit sides Ith quedriceps tendon, whence they were freed, preventing fuzzition of the patells. (4) Covering the under surface of the patells and entire articular surface of femur with graft from trochenteric zone of fascia lata, without rotation of patella. Good results are had with all f these, but the rota tion method is simplest, and after operation gives dditional leverage to quadricens tendon. It has some disadvantages, as it supports the vitality of

the skin flaps. Since desprise, this plan, Murphy encountered cases in which so many operations had been per formed that even the capsains flap could not be secured. Then he recorded to this flast or that demains for securing the interposing flap. After demolling the bone and molding its partners, remove plettly it extend the lineb, be took a partical of pairs in a sign as the creamy to this or fearm conjected by it extend the lineb, be took a partical of pairs in a sign at treatment of the conference of the co

interposed it on masse, in the knee surared it first

to the posterior condyted portion of the capsule brought it clear over the america satisface of the inmur and lower surface of the femur and lower sarface I patella accurately satured it on book sides and both ends, so it covered all of the lower and

I femus and persented hosy contact. Having exposed the John, made the flaps, and separated the patella, the anitylous between femus and fills is also severed by expected 'chief, using both grooved and straight as may be necessary Rotation of patella is not always necessary except when anitylous is not a transfer.

The author takes p other joints in detail, giving

the operative technique.

Preparts of orthropiasty: 1. Perfectly morable normally functioning joints with normal sliding and rotary motio can and have been reproduced A new synovialoid membrane is produced with fluid not synoyial but resembling synoyial field, and lin-ing cells identical with those ilid g the hypromata, closely resembling the endothelial cells of normal synovial membrane, 3. These foints support full weight and traction. 4. They are painless once the process of repair is complete. 5. They are not subject to the hematogenous metastatic arthritides of normal joints. 6. A fibrocartilage-like structure develops on the end of the hone, and the latitude of motion increases with time up to the full anatomical limitations in the uncomplicated cases. The production of new jours as not difficult technically nor is it associated with great danger to life. The many details in the interporition of the flaps are essential. and must be systematically carried out to achieve the best coralis. Surpair is essential, though not absolutely necessary

Marphy has devoted much attention to the prophylaxis of ankylosis. If believes the great majority of cases of ankylonis, the result of a metastatic arthritis ("inflammatory rheumatism which is initiated with chill) are voluble. He is absolutely convinced that the contortion deformities following metastau arthritis are vostable. The cote arthritides, and especially those that have an encial chill, are surgical lesions from the very first The initial chill is warning ankylogis probably will occur therefore the limb must be kept in good position from the very beginning and the inter rticular pressure by involuntary strucke contraction must be overcome. This is best accomplished by Buck's extension. This not only prevents deformty but greatly alleviates suffering, and neusly prevents the ankylosis. The planter cast in some infections also ye favors ankylone and should never be used. In t berenhole it favore repair and therefore lemens the likelihood of nkyloms. Extension of sufficient weight to overcome the muscular co tractio is the ideal means of preventing deformity and voiding ankylous

Murphy final conclusion with regard to arthroplasty is that here the technique is carried out properly in primarily sterilo field, the results far caceed his original expectations. They can be accured uniformly and, when they are not secured, the fallura must be charged to some defect in technique or the L J MIRCHELL subsequent management.

V ipine Osteopiasty in Pseudo-Arthronis of the Tibba (Knochenplestik bei Farsdarthrose der Tibba)
Zentralbi, f. chir. suchen, Orthop. 9 3, vs., 27
By Zentralbi f. d. ges. Chir. n. i. Grenzgeb.

The treatment of pseudo-arthronis of the tibia has been successful almost without exception even in the pparently hopeless cases by unities both frag ments by means of bridgework made f perfolated lamella of bone and personteum. Technique A flexible flap of personteum plus part if the cortical tayer of the subjectent bone is cut with a book-shaped distal extremity almost parallel to the long axis f the proximal fragment beginning mimediately above the line i fracture. This is done by means of a chisel. Before turning this flap over into the distal fragment the latter is prepared as follows. Two periosteal lobes are formed the larger one is cut obliquely and tolded back laterally the smaller one is continuation of the larger one at its lower end and is lokied back distally into the bone thus degroove is chiscled, cor muded of its periosteum responding in size and shape to the book-shaped flap about to be overlapped from the upper frag ment of home this groove extends t the line of fracture. A umiler channel is made in the proximal fragment, extending from the line of frac ture t the base f the orteo periosteal flap described

bove. The preparation being finished the osteo-perfortest flap of the upper bone is laid int this channel. bridging over the two transports of the fracture and is then covered by the peripheral periosteal flaps which are fixed over this newly placed than parts are then immobilised plaster of Paris for acretal weeks.

By Rontgen photos, Vulprus demonstrated the toalescence of the flap with its new bed and its

gradual growth in citu.

Taylor Restoring Motility After Bony Ankylosis of the Joints. V Y L By Surg., Cytoc & Obst.

Kene

This paper is continuation of some of the neeliminary work previously reported. The author first reviews the literature of operative treatment of bony ankylosis of the joints in detail and beings it down to date. He next mentions the different methods used by all operators for reductions of fragments after bony and louis as follows

1 Brisement force

2 Interposition of foreign non-absorbable substances.

3. Interposition of muscle and fascial flap with autritive pedicle. 4. Interposition of heterogeneous fascia or mem-

brane,

5 Interposition of autogenous and homogenous fascia or membrane without nutritive pedicle.

6. Interposition of absorbable animal sub-

stances.

The autho emphasizes the fact that acute and active chronic cases should not be operated upon. After experimentation the author finally hit upon the following mixture as suitable for interposition between joint surfaces after breaking up bo y ankyloris. The solution is one part yellow wax and five parts lanelin, melting at bout 130 degrees F The employment of an excessive amount of wax in the articulation is a mistake, as it may cause such intra-articular pressure that the sutures may open. Only enough abould be injected to coat over the eroded bone areas.

Traction by B ck a extensio on the lower ex tremities is useful. One must bear in mind that joints long unused and ankylosed become fist, not rounded, so that if the formation of further ankyloeis can be prevented, a useful and functioning joint may be counted upo according to Wolff's law A rounded articular surface with progressively increasing range of motion with the improved musruler power can reproduce to a certain extent. In operation the bones should be fashioned as nearly as possible like the normal articulation this may be done by chiscle and gouges. Fer the articulation of the femoral head special burn should be employed. The fig or Gigli saw can only be used when the articular byaments can be voided, so as to prevent flall joints. All ligaments, and as much capcule, bone and cartiloge as is possible, are to be preserved. A umber of cases with histories are next cited, both experimental spo animals and spon patients. These are accompanied by a series of excellent \(\lambda \) ray pictures. The a ther tates that in another of subsequent operations it was found that patients do better with softer war mixtures in the proportion of ne part of wax to ten flat.

FREDERICK G. DYAL.

Lever Transplantation of Joints Obtained from

Cachavero (Transplantation von Leichengelenken). Deutscher der Kong. 9 3. By Zentrabbi. I. d. gen. Chir u. i. Grenngeb

Lexer bas transpla ted joints from cadavers in two cases. In one case infection occurred, and in the second case in which the knee joint of an exe cuted person as transplanted shortly after death, the function was bad and Lexer performed a secondary resection. The microscopic examinatio showed necrosis of the bone. It makes little difference whether the transplanted bones are vital or not th question is are they not so quickly resorbed that their resistance suffers? Homopiastic transpla ta tions give still the best prognosis but fallures may occur when the recipient is tuberculous or luctic. The great difficulties in beterophistic surgery arise from the difference in the albumens of the two individuals, I Lener's clinic successful experi ments are in progress to make heteroplasty possible by preliminary treatment of the blood serum.

KATTELETEN

Goebel Replacement of Finger and You Plus langue (Eratz von Finger and Zehenplatengen), Manches, mei Wolwader, 9 1, iz, 19th. By Zentralbi. i. d. ges. Chir u. l. Grencych,

Following by procedure of Wolff in cases of grins reations of a imper phalana, Goebel register of the reations of a imper phalana, Goebel register of the polythete phalana of the second too. Healing followed without reaction. An \text{\text{An}} \text{\text{Following phalana of the second too. Healing followed without resultion. An \text{\text{\text{Following phalana of the second too Healing followed without resulting. An \text{\text{Following phalana of the phalana phalana of the phalana phalana of the phalana phalana phalana of procedure absolute preference over the transportation by their authors, applyings as a recommended by their authors, functions as of special significance in connection with the success of the transport cases.

Köttner End Results in Transplantation from the Desif and from a Monkey (Description der Transplantation am der Leiche und von Affai) Destrehe sie Kest g. J. By Kenthilk, L. d. gen Chr. a. l. Grenzelb

The author demonstrated two specimens of hipjoint transplantation from the cadaver. In the first case the bead of the femur was removed from corpse, dead thirty-five hours, and implanted into a patient in whom the head and neck of the femor had been removed for chondrosarcons. The case was demonstrated two years ago. The parient died thirteen months after the transplantation from pulmonary metastages. In the second case on account of a local recurrence, disarticulation of the hip-foint had to be done and transplantation from corne three hours after death was used. The andings in both cases were the same the bone, when examined microscopically, was dead and was slowly being substituted by five home tissue. Of particular interest was the firm and functionally correct attachment of the meaculature t the dead bone The author also demonstrated a child in whom, on account of a congenital defect of the fibula, be transplanted the filmla of a monkey The transplanted fibula is completely bealed, as is shown by \-csy KATEL STRIVE pictures.

Fasaino Primary Mineralar Servenza and Hydptoctotay (Gascous transcalaire princill et asyoner tonie) Policia Roma, 9 3, 32, 46 Abr. 36. By Journal du Chrongle

After baying stated that the occurrence of primary muscular suremus is questioned by no one the author contributes—schematic table showing the rapid development and the particular clinical manifestic states.

festations of this tumor. This is followed by a study of the macro- and microscopic, anatomical and path-ological characteristics of these growths. The etiology of these tumors has been, and still is, under discussion. For the most part, the majority of them are covered with a limiting careale. fact of extreme importance from the histo-pathological and there petitic standpoint. It has lately been demonstrated that the capsule should not be considered as limiting membrane but rather as a sone of invasion and that the macroscopic limitation is microscopically infiltrated. The author claims that it is necessary to perform more radical operations without Emittee one self, as has been proposed, t removing the growth only The operator should take into consideration the possibility that the tumor has broken through the limiting membrane and invaded the surrounding tissue. It is also essential that no deep

metastasses be allowed to remain. In the following chapter the athor reviews number of cases of prescribe succome treated by radical myomectomy. The following are some of his personal observations. A child ten years of age had had, for 6 or 7 months, a tumor the size of a small aut which occupied the external and anterior portion of the left thigh. For the past a months, the little tumor had become painful to the touch while in the past few days it had increased t the size of ben's exx. Tels circumstribed, amonth, seefinctuating tumor immobilized by the firstion of the thigh mostles, was rendered mobile with the our plets relaxation of these muscles. The overlying skin was pormal and unattached no glandshir enlargement was percepticle. The diagnosis of primary muscular sertuma was made. After having crossed the superficial tissues and peneurosis, the rumor rested in the deep aterior portion of the think and it could be removed only by ascrifeding the prighboring muscular structures. Seen two years later the httle patient was in perfect health is every way, moving the finb freely and walking normally. Microscopically the tumor consisted of oval-shaped fibers and was limited by capsule of proscular abers Hintologically it was composed of small round cells which at the periphery infiltrated the surrounding tissues in various places.

In conclusion the author ratter the various obervitions published demonstrate that, in case of primary muscular surcosus, radical prosecutors, with extressive removal of the neighboring numbers and only does vary with the grays after-results, but also gives good functional results and practits of leaving outlow such as cannot be obtained by the radical operations formerly practiced. A. Bosser

ORTHOPEDIC SURGERY

DISEASES AND DEFORMITIES OF THE SPINE

Rathmann The Present and Future of Spinal Cord Surgery (Gegenwart and Zukumft der Ruck cunartschfurge) Bert kin Bicksuch 9 3 1,533. By Zentralbi, f. d gas Chiro, i. Greungeb.

Rothmann has collected twenty-one cases of operations n the spinal cord from literature although the first operatio was performed in 907 Twelve of these were for intra-medulary tumors, three to extra-medullary tumors which had pene trated the spanal cord secondarily to for foreign bodies (bullets) in the spansi cord and four for dreumserbed fool of various kinds (one tuberculosis, tw cysts, one hemorrhagic) Four patients died in five there was on particular clinical result in twelve cases the results were good. H sets forth theoretic considerations for spinal operations The loss of the posterior columns of the cord can be remedied functionally with comparative case. The gray substance in one or two spinal segments may be destroyed extensively without causing my ther disturbance than local paresis and prophles in muscle report supplied by them Only the fourth cervical segment is excepted on account of its relation to the phrenic centers. Even with destruction of the posterior columns, gray substance and anterior columns in man, a may count conduction through the lateral columns, if the lateral pyramidal columns are intact, making it possible to stand and walk and transmit pressure pain and temperature sensetions.

The destruction of on lateral column through two or three spinal segments causes paralysis of the extremity on the same side, lick-specially in the leg, may cause market stroply. It also causes an lacrase in the pain and temperature servation in the opposite settimenty. There is little chance of restitution to normal functions. According the six may wentive to operate on fool locharde centrally as well as laterally. Moreover he advances the prossibility of treating spassic contractures by cutting the posterior columns understable pum by cutting the posterior columns understable pum by cutting the toroused sorterol-hered intext, substook by cutting the lateral pyramidal trants. The active participation of a neurologist its essential in these operations.

Ranzi Surgery of the Spinal Cord (Ruckenmarkschirorgia) Desission der Kong., 9 3. By Zentralbi. f. d ges. Char u. i Grenageb

Of five extra medallary tumors, three were cured, one was improved, and one deed. Two intra medulary tumors were cured. The proposes is bad in vertebral tumors and hopeless in cancer, of which there were five cases, with three deaths and two improvements. The suspected tumor was not found in five cases, twice circumscribed meaninglish serous complicated the operation. Three times serous complicated the operation. Three times

decompression was undertaken, once without any benefit once with temporary improvement, and again with permanent good results. In five cases of fracture of the minal column, the recently recom mended early operation was performed, the results being rather unsatisfactory It had no good effect in two cases of spondylitis. Sixteen operations were performed on fifteen patients for spasm. In spasm of the lower extremities, four successful results were busined out of six cases, less favorable results were seen in spann of the upper extremities, and none in athetosis. In a case of gastric crises, in which double varotomy had already been performed in vain, Foerster's operation had just as little effect. Altogether in forty cases, there were thirteen deaths, five from the operation, two from meningitis, the Letter brought about by incontinence of urine.

Where improvement or curs occurred it took place gradually and was apparent out patter a long time, Operations were performed only on one side under general amerisheits. Only a very small opening should be made in the dura, in order to guard against a sudden decrease in the later neutralizary pressure. For the same reaso the operation should be performed in Treathenburg position. The extra dural sections of the roots a recommended by Guidek exclusive of the roots a recommended by Guidek exclusive of the proof of the roots of the roots are commended by Guidek or official operation, yet it is a decided advanced the proposes in spinal cord operations in better than in brais surgery. Four cases have remained per manently cured after periods of from two to five and one half years.

Benker gives a case history in which he recommends puncture with a fine syringe instead of section of the spinal cord.

Kathournes.

Kusta The Treatment of Tabetic Osstric Crises by Foerster Gulvise Operation (Dupdation de Foester-Onicio dass le traitment des crises gastriques tabétiques). *Ensués és chir* 9 3 1, 20. By Journal de Chéurgie.

Nata reports case of a man 38 years old who entered the hospital became of very severe gainfectures, eighteen months duration. Fain and vomit ing had becomes more and more intense and frequent and no treatment had any effect. On admission the pains were chiefly in the epigantic region, radding persons were chiefly in the explantic region, radding persons and the present and the control of the

did not react t light. Romberg sign a s present The patellar cilex could not be obtained.

The patient as operated n I mary q 3 nder spinal neithern with strechnine and stoyalne. Extradural resection of the posterior roots of the sixth, seventh and eighth docust segments was performed The operation lasted three-quarters of an hour t the end the patient complained of severa burning pains in the lower extremities. The follow ing night be as comfort ble. There was no longer any sense of constriction is the epigastri in and he was able to breathe quietly. There as no pal nor vomiti g, and on the muth day he went home. A month later th patient's condition as very satufactory. He had suffered ith some of the previous symptoms store lea ug th hospital outside of few burning sensations came gallght inco-emence There as dum toog of sensibility anteriorly about the rability od the breast and posteriorly bet cen the sixth and tenth donal vertebre

If e week after the operation the patient gain began t suffer par beneath the mbillion though this was scarcely comparable with his previous suffering. There was no omitting and no sense of

thansel pressure Apparently lassificient in her of root had bee practed M (or 6

MALFORMATIONS AND DEFORMATICS.

Thomas Report of a Case of T tal Congresital
Absence of the Fem Greend M J T to a
sit, 3 By Surg Gyson & Oles.

The author reports a tunneal anomaly—total absence of the famor [phoconeric] in an infant of three months, here of syndiffic mother. The child aboved signs of congenital syndifin a few days sites birth which resulfly reponded to treatment. Shortening of the leg was quite moleculair from the beginning, because of which an X-ray picture was taken reversilled the anomaly Cressors M is 1500.

Hannock Talipes Equinus Deformity to J.
Sep. 10 3, 2174, 01 Br Suzz Craes, 4 Obst.

The article is description of the whot method of employing language to one of the restriction of employing language to one of the restriction of the restriction of the restriction of the restriction of an extent L meason in the tende by means of an extent L meason in the tende stuffer of ones it critical knaparon tenden is quit the reigns of the tenden from howe does not provide and the restriction of the res

SURGERY OF THE NERVOUS SYSTEM

Eden Th. Tre timent of Tendo- and Neurolysis with Transpla tations of F. ity Tiess. (Tendound Neurolysis ant Fettplinis). Distriker for Ever. 0.1.

Keep 0 5
By Zent albi I d. ges Chir L. Grenzgeb

I the Leter cline (at a shed in an cases of incho and neurol as to over the defert.) In tendolysic as due to accordant destination of the extensor inchosin of complet I cational result as obtained by transplanting I t. I may the defect. Among the text cases of new dyses one asserts not re-cannined of the other and other completes of the complete of

HAYMARD in discussion report four cases of fat transpla tations from the Bier clinic. They ere cases of partial or compiler removal of the matura on account of beings tumors, in his the defect was replaced by a toplastic transplantations of f. The cosmetic result was good.

KATENSTEE

Feerster The Indications and Result of the Excision of Pesterior Spinal Nerve Roots in Man. Surg Gyect & Ohit, 913, vt. 463 By Surg Gyect & Ohit.

The first indication for excision of the posterior spinal nerve roots, according t. Former is based spin the physiological faction of the mine is conductive of semilability and by volcet networks, pains he held robert poetbod of refer. He records a case nother than beginning with the following results accessed is failures, and reads to the majority of cases the failure was do to not he the majority of cases the failure was do to not he the majority of cases the failure was do to not he the majority of cases the failure was do to not he the majority of cases the failure was do to not he that practice enough most a failure of the majority of crossing pains he proved that for continuous he call Europhicas are seen only in those cares in hich a localized diptuo of one see a few significance one with firewalling he saided.

The second indication for reaction as the visceral, specially the gastric cross in t bea. In this prosp, he reported 6g rasers 5g were successful. Indicate, and 6 deed. The cause of the more or ies importer result was turbosted t ladure in radeal rost reserving, the table the sixial cord, ving to concerning a second to the sixial cord, ving to concentant architecture of the second cord, in the constant architecture of the contraction of the constant architecture of the contraction of the second contraction

The third selfection for resection in spatisfity and appeals paralyse due to disease of the cortico-spanial path, especially the primaridal tract. Of this group Fourier collected is 12 in the distantial passibility of 8.5 per cent. He gives in detail several case reports she fing remarkable improvement for long resection. And from this condition, resertion of posterior roots has also been recommended.

jor some other motor distorbance, especially about one of results in the cases were mostly bad, as the condition depends not upon an increased affine of sensory gainful! I be gray matter of the spical cord, but to an increased affine I motor public proceeding from middle brain and carried by motor paths to anterior spinal horns. Lerke has divided some posterior errorized roots in case of Parkinson disease with as h says, satisfac tory result.

Uter reviewing the cases be enumerates the disple inducations not contra indications for resection of porterior roots in spatic paralisms. First the morbid process must be stationary or progress it very slowly Secondly must be a most that the resection f th posterior root relie es all the spatic symptoms but not the pu also-s theref recertain residue. I the innervating pyramidai hibre must be conserved, or cle the spatile paralysis is transformed int a flacicl one. Thirdly after the rost resertio and the return of voluntary mobility a long and very careful exercise treatment is not exactly by which alone kocomotion is gradually gained. Fourthly the disappearance of the spatistity after the rost resection, taking place with the certainty of experiment, is the observed of the parallel of the contraction of the parallel of

In conclusion he recommends the use of electrical apparat a stimulation in distinguishing bet cen the terio ad posterior roots.

R. W. McNeu

DISEASES AND SURGERY OF THE SKIN FASCIA APPENDAGES

Scholtz Th Treatment of Lupus (Do Beharding des Lupes) Zigle f & Al forbill 0 3 2, 93. By Zentralbi f d ges Char Grenngeb

For the success? I treatment of all cases of lunes great care nd patienc are f ndimental f these even the brilliant success of the Finsen Instit t is largely due. Less expensive though more omplicated, methods are followed by equally good results. When possible excuses followed by sutur is the method of choice Under good technical conditions the defect may be covered by plastic flap Th size and location of the area sione determine the limits of the method herees Finse rays ha no effect upon the small nodules surrounded by hard act tissue upon rapidly hypertrophic t pes and upon those affecting certain areas I mucous membrane. The curette and Paqueb, cautery alone are not sufficient and the sam is true I the hot-air treatment dvocated by Hollander Regarding the value of the duthermic treatment no definit statement ca as yet be made. It seems, however to certain degree to select the diseased timue. This applies even more strongly t the t berculin light and Rontgru-ray treatments, as well as t the application of the caustic continents f argenic salvarian, neosalvarian resordin and above all of pyrogaliate. The remot effects are treated ith advantage by Röntgen-rays or radium Tuberculin, caustica, light and Röntgen-rays produce results on lupus tiesu by setting up inflammatory or accrotic processes Chemotherapy (salvaman and copper ecethin injections) seem to produce beneficial re-solts. Severe cases always call for combination of methods, and in the selection of the proper combins tion lies the secret of success. The author esnally pursues the folloting course. Tuberculin injections informed by quarts-rays with compression. After the inflammatory phenomena subside, t berculin is agal Jected, and propullate olithment applied when the relatest sprainer quarter-ray as a distance I so can, are used. When the reaction from this has beisted, Bongter-rays re-applied, followed by propullate elatinest. Then follow quarts and Ronggrovans spain on, when the kilo has healed it may be necessary to see the I nest-rays. During the whole course of treatment tuberculin | serious are given equiantly at intervals of 3-5 days and in large dozes. Hissays

Wiener Skin Grafting Without Dressing J Am. M Arr 9 p. lz., 306. By Surg. Gynen. & Obst.

The autho directs attention to the great ad antage of dispensing with dressings after skin grafting Warner's technique is as follows The grafts re cut as thin as possible and applied in the usual manner any discharging sinus is packed with gaure and the parking renewed whenever it becomes saturated. On the first or second day crust of involvented screen form between the grafts. These should not be removed and for at least neek no dressing of any kind is applied. The grafts become dherent after the first day or two and assum healthy pink color. On the seventh or eighth day the entire grafted rea is covered with a weak ichthrol olutment. Under this the crusts between the grafts fall off and the grafted area soon assumes a normal appearance. It is not advisable to poly any wet dressing until at least t weeks after the grafting If polled sooner the grafts may macerat and loose their vitality In grafting the extremities, the limb is awarg free of the bed-clothes. In graft ing the trunk, tradle to keep off the bed-clothes is all that is needed. The results from this method of grafting, even in the most difficult cases, have been far superior t those obtained with dressings,

MISCI LLANEOUS

CLINICAL ENTITIES - TUMORS, ULCERS, AB-SCESSES, FTC.

Recent I estigation on T mora Limester (Nevers Arbeites über Geschwülst.) Hol. Klus

9 3, 12 420 By Zentralbi i d ges Cynth. Gebortsh. d Grennyrb. Roman report three cases f chloro-myelogenous

leocemia ith green discoloration of the affected gland leucamic intiltrations and norlules Warrtat lter use of myeloms of the dorsal ertebra (plasmacellulares myelom) Herrog reports case of intestinal extensions, secreted, ith tuber culosis h h histologically could be sho t bare layored the arcinomatous development The anthor ept the lea that the determining factor In the development of remains her in the primary transformation I the epithelium Babre et es an example of the oct rrent of carefroma Ith yphilis, citing se in bish epithebora of the tip de reloped on the base I aphiltic ker Mileta rich and Namba desc be a case of carelooms of the appendix both is of interest for the reason that the epithelial proliferation tended into the mesenters clam These thors consider these t mors ge unce carcinoma buch existed remainly and in which the I flammatory processes are of later developme t Roths ker report papellary cyst of the overe wh independent remorator and saccomaton de

velopment Von Lameson uncludes from a series of spenment on rabbit by section of sucks oil that the enithelial proliferations deficustrated by Fucher Strauch have nothing in common the remornaas ble fter hal g produced carrinoma by trans plantation in nuce o peor microsc spically th t multiple metast ses had occurred such re ealy frund in sea of spontaneously des logung t more

If ale bleame supports the analogy bet cen care nome of mik, and me on the ground that there renumerous metastatic growths nel an infiltration with both the inoculated and spontaneous archoma. Simmonds contributes a case of t mor of the thymus gland T more of this orga are carefrooms, sar come or thymoma as demonstrated by the Heval granules in the metastases. The thor concludes with quotations from the statistics of Thelihaber on the mortality of cancer in Berlin and of Pelper on the occurrence of maligna t tumors i the German

Bri tel Newer Idea Concerning the Problem of Mad Rec. 914 lxxxir 787 By Surg. Gyacc. & Obst. Cancer Etiology

YOY G AT

colonies.

The older theories of acoplasia are first reviewed and entaceed then the most recent fact and theories are brought out not the same time new and original kiess on the subject re suggested the unloas The following criticoms re made theories

() Columents Does not explain the origin of all t more, nor the reason for or the Himsingto. sudden division of the cell rests.

(b) Ribbert e va II mman Do not show the causes for the suiden charge from

the normal t the bnormal. () Ifa ser Deals too much with heredity and does not explain those t more following lafaries or critations.

(d) Gertel a Does not explain why certain cells problems in makenant manner per have the t onlers I bromatia the cell ancieus been proven. In the parasita theory hile practically every form of micro-organism ha been accused, none has been satisfactorily proved, although any may be predisposing cause of precancerous cell degeneration. til theories fill t explain the cause or causes of

cancer ad other growths The ther from studies of year ad half advances bechemical is pothesis as the cause of proplasms. Primard some form of cell or time degeneration is necessary and is due t one of t Front (Lutors Interference ith the blood supply or unuon. () Mechanical () chesswal () physical (f) paradinal () functional du thances. This is the primary precunctions stage "econdard these primary areas abow a strong thanty for ertain inorgame blood salts and marked change | their chemotry and met belief.

secondary precancerous stage The in estigations of Ringer and Soeli Moore, Roaf and Whitel Ross and Cropper and Carrel are cited as abo upy that by sightly aftering the tension, alkalimity or instrum suit content of turne medium - sudden strandus may be given to sts gro th (arrel is also motel as showing that normal connective turne growth in vitro may be or letated three to forty times b extracts and junces of traues. The thorethen tates that nor mal cell reproduction is due t fixed ratio bet een the salt in the blood lymph nd times, and an intact hemical tracture of the cell. Ma it not be possible à asks th t a disturbance of these factors anti result typecal prowth in the locality

volved McClendon Mitchell and Lillie re quoted as finding that increased cell growth metabolism and oxidation may also be du primarily to increased permeabilit of the cell membrane. All these cell characteratics, I e. gro th, metabolism, oxidation, and permeability may be accelerated by change in amount of taorganic selt content or of - OH lone

in the medium. I pathological conditions there is definite affinity between dead and dying these and certain inorganic blood salts, especially magnesism and calculm. hich gradually increases the local salt content and, due to this influence, the neighbor ing cells become more permeable and absorptive thus growing faster and profiferating more, as compared to other parts of the body \0 specific substance or exciter has been defined, though Ross of London surgests various oscer. Calkins, Bullock and Robdenburg also bes this out. The action of inorganic salts in stimulating cell growth is shown by Nebb and Mann t be d t their

electrolytic property
Of the fats in the cell, lecithin and cholesteri
mainly influence the growth. Abderhalden, Balin,
Robertson and Burnett are cited it this effect. The
possibility of engruic action as accelerating cell
growth bloods to action the control of the
growth bloods to action the control
action of the control of the control
carymes. Rough work on chicken surrouna is
optode as bearing on the possibility of chemical

substance influencing cell growth

In adapting these theories to the cancer problem the a thor states that it is the sit of greatest in ritation and cell death that show the most like bhood to malignancy i. e. terms stomach, breast, and skin. The questions of sev nd ge incidence of cancer may be explained on these same grounds i. e the uterus and breast being subjected to greater ctivities, are more liable to pathological changes and that old go is the greatest time of d generation of tristers and upset cellular chemical equilibrium. The influence of beredity is odefinite but may be explained by prevancerous environ-ment or transmission of prevancerous could tions of susceptibility and metabolism. The rat of gro th and manguancy of a tumor would depend as such upon the users involed as upo the stimulus t increased growth a cruthelia and connective there cells grow faster than muscle nerve or bone cells. Metastases are d t direct transportation of cells from origin by blood or lymph aided by lessened general of local tissue resist noe.

The ymptoms i malignancy are explained by the absorption by the tumor cells of the food and salts an the blood and lymph to the detriment if the other tissoes. Lakewise the inability of these latter to give off their 48 product results i more or

less utointexication.

Lambert Camparative Studies por Cancer Cells and Normal Cells. 11 The Character of Grawth 1 Vitro with Special Reference t Cell Division J Exp II J. vii. 409 By Surg Gyacc & Obst.

P M C use

Lambert presents his beervations on the general chamber of growth water of transplantable run account of transplantable run account of transplantable run account of the property of the second of the second run and pecces. However, the second cells extend the second run account cells extend the second run account cells there is about intempreted and order to proper the second run account of the second run

are sarcoma cells, they multiply rapidly in cultures over three months old

Atypical mitoses I several Linds are found in cultures of sarrowa cells, but are not seen in growths of connecti we tissue. The time required for division is rat connective tissue cells at body temperature varies within narrow limits (so to go min.) Aureona cells exhibit marrow limits (so to go min.) Aureona may be required to the control of the control of many be required to the control of the control of denoces of celest building bowever with the forms tion if cells containing several used of irregular size have been noted. JUNES F CONCENTLY.

Sutton Mycetoma in America J 4m. M frr 9 3, lz, 339. By Surg., Gynec, & Obst.

Satton adds to the fiterature of five previously reported cases (Madura food in America, i o which have ecently been under observation in Kanasa (City He presents in full the case histories with photographs of the lesions. Both patients were in the habit of living active outdoor layers in subtropical country no a male native [Mexico the other female active resident of Texas.

In satistical study of one hundred cases of myestoms Bocarno found that or special terms of the greater porsion of their time barretors in the open arrival time barretors in the open arrival training the discussion of their time barretors must be considered to the special power of
varieties the yellow or ochroid the black and the ed so named because of the color of the small masses or graneles suspended in the oily scroporn lest discharge from the sinns. The ochroid is the most common type will the red is exceedingly rare. It is probable that all types of myectoms are due to strept thriz infection, but whether ill forms are caused by an infection with the same organism, or bether more than one species plays a part in the disease, can not t this time be stated positively

L G Da v.

Cells The Identity of Ca as of Aseptic Wound Ferrer and Se-Called Post-Operative Hyper thyroidism and Thei Prevention. A Serg Pain 9 3, ivil. 648 By Serg Cync. & Olst.

I this article the a thor again emphasizes the importance of exclusion of harmful psychical and transmatic stimuli in operative work for which be previously coincil the name anoci-amoriation.

If concludes from his observations that the riso
of temperat to and pulse rate in aseptic wound fever
and post-operative hyperthyroidum are the result of
the conversio f energy ato heat as a part of the
activation f the brilin, hence all of the body by
the psychic and transmatte stimuli.

The fundamental principl pon which he bases

velonment

MISCLLLANFOUS

CLINICAL ENTITIES - TUMORS, ULCERS, AB-SCESSES, ETC.

Lissauer Recent I est(gations on Tumors (\center Artesten über Geschwülze) Hol. Klin 0 L 420 By Zentralbi (d ges Gysak u. Gebotish. d. Greungels.

R man reports three cases of bloro-ms logenous leucamia th green discoloration of the fleeted gland leucarni intiltration and nodules Warst t cites case of my lorna of the dorsal vert bire ("plasmacellulares myrlom") Il rang reporta case of intestinal carunoma associated ab tuber culosis inch histologically could be show a have favored the carrinomaton development athor as ente the idea that the det rimining factor in the de elopment of care poma lies in the primary transformation of the epithelium. Habre el es an example of the occurrence of carcinoma the orphili diling case in high epithehoms of the bp de resourced on the base of sphilt her Milanda with and Namba describe case fearthorns of the appendix which of terest for the reason that th thefal profferation extended it the mesenten of m. These thors on uder these t manageassme carcinoma high exasted primarily and in which the inflammatory processes are of later Jevel-process Rothscher report purall or crus of the ovary inh

You Lamezup concheles from series of smerl ment on rabbit b myeet so of such and that the epitheli i proliferations demonstrated by I'lscher nothing I common the carrinoma Arauch was ble after he mg produced carrinous by trans plant tion a gase is prove microscopically that multiple metastases had occurred such found i see of groutsacously developing tomor Hanke likes se support the analogy bet een carci noma of since pd ms on the ground has there are agmerous metast the growths and infiltration with both the inoculated and spontaneous carcinoma. filmmonds outributes case of tumor of the thymus gland. Temors of this organ re carcinoma sar come or thy mome as demonstrated by the II wal granules in the metastate. The thor concludes with quotations from the statistics of Theilhaber on the mortality of cancer in Rerlin and of Pelper on the occurrence of malignant tomors in the German colonics TO'S \$ 127

independent an nomatous and sarromat su de

Bristol Newer ides Concerni a the Problem of Cancer Etiology Med Rot, 9 3. lexnic 387 By Surg Gynec & Obst

The older theories of neoplasia re first reviewed and criticised, then the most recent facts and theories are brought at, and at the same time new and original ideas on the subject are supersited. The following criticisms are reads on the rious theories. (a) Cohnbeam Does not explain the oran of all tumors, nor the reason for or the stimulus to, a sudden of visco of the cell rests.

(i) Ribbert a von Hausman and Adam's. Do not how the causes for the sudden change from

the normal! the boormal.

() If we Deals too much with heredity and does not explain those tumors following I faries or arritations.

(d) October Boss not explait why certain cells problient maintains inspacer no have the its orders of bromatile. The cell nucleus been proven, in the part is the beary that the bear been proven in those by the provent property of market and provent millionerly. If may be a pre-tiled to the provent provent provents of the provent provents of the province of the province of the provents of the province of the pro

The author fount to their of years of half-shearest benchmard hypothesis as the cause of acquisitions. From any agents from or call or to see a consistence of the properties of the construction of the const

The investigations of Ringer and Soeh Moore, Road and White Poor and Cropper and Gurria are utel showing that by slightly alreing the tensow. Babout or norganic salt content of a tissue med in wider all minds may be pirced to a growing. Carrel is los quoted as abouting that normal consective tissue growth, in write, may be accelerated in these to be the content of
would result in typical growth in the locally are their accessed on the property of the following their accessed cell growth restablish and iddation may also be due primarily to increased permeability if the cell mentalers and these cell-characteristics, i.e. growth, metabolism, oxidation, and permeability may be acceptanted by charging amount of inorganic salt content or of — Olf some in the medium. In pathological conditions there is definite affinity between dead and dying these and certain inorganic blood salts, especially magnetion

debatte affinity between dead and offer times and certain inorganic blood salta, especially magnetisms and calcums hich gradually facrears the local salt content and, due to this influence, the neighbor fag cells become more permeable and absorptive, thus growing faster and proliferating more as comthrough which vessels are drawn, then turned back and held in place by small hooks attached to the tubes. The connection is mad between the external jugular and the uperficial can I the fore-arm. The apparatus is so constructed that two ends of the vessel all he brought together and held in place by me not the pperatus lone

L & GROSE

Popielski Remedial Agent Whi h Specifically Check Coas Lation and Decrease the Blood Fremure 1 th Fernale Genitalia (Uber de perifischen genunungskemmenden und Mutdruck berabietungen Substanen des einlichen Gestigliapparates) Backen Zielo o j. zh 65 By Zentrafbl. Led gen Gynik. Geborisk el Grenngreb.

Popielski tta ks the ork of Schickele in which a

specific ctio of hecking congulation and decreasing bloud pressur is attributed t uterine and overan extracts, because the same esults m y bo obtained ith other organs, it act. The arrest of congulation is not caused by terms hormones but by the aid re etio of the extracts med in the resignitio. The jection of tenno or evanue extract t the blood tream does not show any actio different from that I other organic extracts. The autio | all | there is the same producing decreased blood pressure and loss of congulability This behavio produced by substance which Popielia found hem ally and BOTEL named vasodulatu

Leale Thrombophiebitis of the External Hisc Yelm. J 1st 1J (et 0 3,1 5 t B barg Gjøer & Obel.

Leale considers particularly the ymptomatology and differential diagnosis and report ase complicating typhoid fever. The great relative fre-quency of thrombophi bitts of the left leg can be explained by the tendency t obstruction f the left external and common situations by the left common flux and external that arteries and par ticularly the left internal that rtery as I arches around the fifth humbar vertebra and I tervertebral

Thrombophichitis in y vein a usually due to bacterismia or toxemia resulting from the surgical infections or infectious ductaces. I most cases a constriction of the vessel- all is needed t bring about thrombus formation even in the presence fa bacteriemia.

Palpation will at times reveal the thrombosed external flian well in the space running apward, inward and backward from point little t the inner side of the middle of Poupart's ligament passing over the brim of the pelvas t point t the lumboracral articulation and opposit th sacro-fliar joint,

The earliest and most helpful sign in diagnosis of this condition is the peculiar rapid, steplike rise in the pulse which often mounts t considerable L O DWAR

Enderlen Thrembool of the Portal Vein Fol lowing the Effect of Blunt Force t tha Abdomen (Thrombose der Pfortader nach Elnwir koog stumpfer Gewalt ut das Abdorsen). Beitr s. His. Chir o t. Ivcaill, 7st. By Zentralik, f. d. ges. Chir u. i. Gesangeb

The author reports a case of this rare affection (only six cases have been reported) The patient was brought to the clinic three and ne half months after the f jury suffering from symptoms which ero diagnosed as due to duodenal ulcer A lanarotomy however did not confirm the diagnosis nothing pathological could be found. The nationt died no and one half months after Autopsy in the right lobe I the liver was found a concentric lammediated thrombus the size of fitt, situated partially ithis the right portal branch and reaching to the main vessel.

In regard to the treatment of portal thrombosis t seems more rational to the author to perform an anastomosis between the portal vei and the renal vein than to perform the Talma operation.

KNOKE.

Ottenberg, Kalliski, and Priedman Experiment al, Aggi timative and limmolytic Transf alona, J Mad Research o 3 xxvals, 14

By Sar Gynec, & Obst.

These thors have ttempted by a series of exseriments t determine what would happen if nemolytic or relutinative blood was transfered directly between two animals of the same species. Is yet their work is incomplete and does not lead to final conclusions but still presents a number of neteresting facts. By solitable technique, isongelu-tination and nohemolysis can be demonstrated to occur between the bloods of different dogs. Isong glutinins occur naturally and it is possible that the immune mongalutinins produced by you Dungern and Hirschleid are merely intensifications of these. A sharp grouping could, however be made out in th naturally occurring aggintinizs. Nat ral (as distinguished from immune) isoaggintination is, however a relatively weak phenomenon.

The direct transfusion of blood, whose red cells can be aggi tinated and laked by the recipient's serum, is followed by destruction of the transfersed blood with an intense intoxication. It is not yet clear whether aggintination plays any part in this result or whether it is dentirely to he moly

A very remarkable blood-picture, presenting many of the morphological forms peculiar to per nicious anemia, is produced when the blood of another animal I the same species is destroyed in the circulation. In the authors experiments this was not due to anemia, as the animals own blood as not destroyed and there was no reason to be lieve they were animale. The changes must have been due t some peculiar toxic effect, on the bone-

marrow of hemolytic blood destruction. Groupe E. Berry

BLOOD AND LYMPH VINSELS

Bullin Circold Ansurian of the Hand. J 17ak. St. M Sec. 9 3 rll, r65. By Surg. Gynen & Obst.

The author reports the case of a stem-siter who on Asymst : a tied to stop stilling the casing with his right hand. His hand were byte extended at the cargal joint by the great stores and be left a sharp poin. The cet day the velos on the document of the injured hand were very much worth. A few weeks later some of these verns were considered various and were extended, but the welder testing and were exceeded, but the well interest immediately accompanied by produce correlation and interesting in the state of the contraction of the correlation and theoretical positions.

Pulsation 1 the swollen hypothenar was noticed on Diagnosis of aneurism of the super April ed o ficial end-branch of the ultrar artery with a venous communication was made. At operation, April a. a sac, formed by a blood vessel, three inches long was removed. The wound healed by first intention, the patient remaining well until May 3 when the symptoms returned. On May 1 the endbranck of the radial artery was lighted and relief from the pain bated for four weeks only On Jane o a communicating branch of the radial vein between the first and second metacurpal bones was ligated. On the 15th, an excision of the blood vessels and veins with ligature of the dilated veins on the volet side was performed. On July so and August at two more lightness were applied, but the reflet in each case was only temporary. Finally the little finger with the whole metacurpus was removed Still the dilated veins pensisted and the experiedal vein above the elbow became enlarged. An an giomreoms was naturally expected, but microscopy of the removed ranger showed no malignancy After a few weeks all the distressing symptoms were obvious. The peresetty of an amputation of the forcarm became imperative. The patient recovered and is well t the present time, having gained twenty pounds since the removal of the pain-

All condition.

The pathological findings showed that the vessels had greatly dilated lumina and much thickned wells. The vascular changes are choose, probably congenital, all the conductor developed after tirums, as has been observed in number of cases of this rather are and interesting condition.

LOBARD L CONFESA.

Haythorn T beculesis of the Large Arteries with the Report of a Case of T berculous Agestism of the Right Common like Artery f 4s. If Au 9 3, in, i. 1, 3, 3 km, Cross & Oht.

T berculous lexious of the vascular system have long been I interest as points of distribution I build in case or general military toherculosis. The case reported is of interest because of its rardy supbersume it gave ribs: the presence of prixt numbers of teherole build in . for glomerall in the kidney where they caused little or no reaction in the those about them. The absence of inflammatory reaction in the hidney probably indicates that the patient had reached a stage in which his system of determ was so exhausted that it could no longer react against the stimulus of the norther.

Four general types of tuberculous lexious of the sorts and its main branches have been described

s. Polypi of tuberculous theme attached to the

intima.

3 Tuberculosis of the wall, involving the several layers.

4 Anestriams, the walls of which are composed f t berealoss tissue.

Haythorn's case belongs in Group 4.

L G. Dwax.

Perrariat Primary Tumora of the Vascular Streethe (Sar les taments primarives des pales as-

calaires) Clim chir gra, rri, 180 my foomal de Chiruris.
The t classic premoirs on tumors of the vascular reaths or the pioneer works of Langenbeck, 186

sheaths to the pioneer works of Langenbeck, 186 and that of Raymanit, \$87 Since the appearance of the last of these, curtain new growths have been eliminated from the classification of primary tumors of the abeaths, such as broughful epithellouna, whose pathographie is very individual, and also aurcomes and lymphosarcomes in the neck whose origin is from lymph glands. Since this reduction Konig has expressed doubt as to the customer primary turnors of the vascular abreths, ad Jordan the denies their occurrence. The latter believes the term should be dropped, since he considers that they are all accordary. Ferrarial demonstrates the legithmacy of the original classification. H. believes in the existence i primary tumors of the vascular shraths which have definite characteristics. blck allow them t be differentiated from an anatomical or chalcal point of view H presents three personal cases, a known of the carotid sheath, historarcoma of the femoral sheath, and a lipoma of the ismoral sheath. In each case operation showed that the tumor as provided with this capsule which was in no u y continuous with the poneurous of the neigh boring muscles, and that the tumor moreover had developed in the center of the vesculo-nervors

bundle whose elements are dissociated by it. The utbot has studied the automy of serial secular sheaths and has cleared appears which serious the serious control of the serious control of the serious bundle possesses, as a boke a fishrous sheath within this cach element—artery reds and nerra—prosesses an independent sheath of connective inseet. The spaces between the control outer sheath and the smill within a beaths is filled by a loosely over time the in first and continuing many jumphatic channels. Its believes that the connective testing particles are provided to the serious of th

From the literature Farratini bas gathered a none of cases in which shromas, myromas, informas, arrows, and endotheliomas have definitely attent in the constitutive elements of the vascula sheeths. Farratini accepts in the baracteristics of these tumors described by Reygnault. Temors of the vascular sheaths are characterized by their anatomized at in

region occupied by a large vascular bundle. They are fixed when the vascular bundle has a strong sheath, as is usually the case but when, as in the neck, the sheath is delicate, they are somewhat mobile 3 These t mors frequently possess prolongations which then occu along the axis of the vascular bundle. 4 Usually th vestels are not displaced and the rternal pulsations are felt over the surface of the tumo or transmitted through it. s. Circulatory disturbances are frequent and occur None of these sigms are pathognomonic and centr definite diagnosis can bence only be mad hen at operation it is found necessary t incise the common vascular abeath in order t reach the tumor In such cases it Ill menally be found that the point of origin of the tumo is from the individual sheath of one of the vessels lyi g within the commo shouth. PRESER FEEDER

Wheting Cold Gangren Doe (Vascular Paraly als (Gefampara)ritache Kaltenagrin) Zenbalai f Cho 0 1 1 503 By Zeninki I d ges Chir i Oreanph.

The utbor had occasion t observe umber / cases of gangrens of the toes due t freezing during the Balkan war Etiologicall to most importa t factor in the prod ctso is prolonged exposure t cold and lowered resistance of the timmes, due t general and local infraences, such as insufficient sood, disentery cholers, and neglect of the feet. Although most of the cases developed immediat by nevertheless there were cases hich did not develor until six to ten days after the meet of an entering or dysentery. He does not believe the gangreno is doe t thrombous, but to vascular changes follow ing prolonged evposure t cold in weakened individ wals. As proof of this contentso the uthor states that as soon as the general conditions, expecially mitnion, were improved, the umber of supreme cases dropped considerably. After detailed discussion I the clinical phenomena h concludes that the important facto of the discuse is the viscoils parests due to injury of the nerve supply I the was cular structures leading to thrombosis. In regard t treatment be advises t het conservatively. Further observations along these lines III be detailed later in an extensi monograph.

Neuhof Experimental Ligation of the Portal Vein; Its Application t th Treatment of Supporative Pylephlebitis. Surg. Gyner. & Olst. 9 L. Nr., 451. By Surg., Gyner. & Olst.

The autho attributes the behef that there is no surgery of the portal vein t the fact that ligation of

this weln in animal experiments has regularly led to death in a very short time. This was first demonstrated by Ore in 1856 and has been repeated by Schiff Claude Bernard and others Death in this experiment has been stributed to different causes. Clande Bernard thought It was due to an acute areemia, and Schiff to cessation of liver function. ther cites evidence that neither of these views is the correct ne, and from the symptoms and post-mortem examination of animals in which the velo was ligated, the conclusion was reached that death (which always took place in filty to ninety minutes alter the ligation) was due to shock. Solowieff is credited with demonstrating that the portal vela could be entirely occluded, if at successive opera tions the branches were ligated singly and the au thor describes experiments which confirm this work. It was also demonstrated that successful ligation could be accomplished by gradual occiosio at successive operations. The collateral circulation [each case developed very quickly mainly i the gastro-hepoti oscentum and such collateral circula tion, being hepatopetal, preserves the liver function.

The article is concluded by some general emarks on the practical application of this knowledge to the treatment of suppurative pylephlebitis. Case reports are quoted showing that complete occlusion if the portal vein in man is at times compat bl with good health. The great danger of suppurative pylephiebitis, which is almost universally a fatal duesse is tiributed t extension of the infection int to liver This would be prevented by portal vei ligation and the utbor suggests such a proce dure as the treatment. As t. whether the livation should be done at nos ue in successive stages, the uthor is inclined t believe that in t least those cases which are most likely to come to operation. that is, those having existed for some time, the collateral circulatio hi perhaps well enough established to permit complete limition. Even i those in which the thrombotic process has extended above the highest accessible surgical level, the utbor sur gests the possibility of benefit I llowing ligation through the thrombus wing t the fact that such would at least greatly diminish the area of the source of Infection. Omentopery should be combined with the ligation for the casen that it offers an additional possibility of collateral circulation.

BARRET BROOKS

Joahlunga The Ettology and Freventive Insculation of Elepha Italis (Über die Unsche und Schutzingtong der Dephantonia) Kra 1-6-K -Zauki 9 3 50 By Zentralbi, f. d. gen. Chir w. i. Grenngeb.

Elephantials (arabum) is found endemically on the J panese coast and on many of the islands. It also occurs endemically not be weetern eastern.

the J panete coast and on many of the Islands. It also occurs endemically n the western coast of Shikoku. Each case develops after repeated ttacks of exystocias. The geographical distribution of exphanitiasis does not coincide with that of finitiasis.

I J pan. Among elephantiasis patients the author. was able t demonstrat only twenty-seven per cent filaria carriera. Filariasis is an accidental complica tion of elephanticals, and may predispose t the latter disease Among 4,500 elephantiasis patients, the thor regularly found a strain of streptococci which are not pathogenic to guines-pigs and rabbits but which after subcutaneous inoculation into the human regularly produced typical ttack f erysipelas within six t twenty t DOMIN. Aggloti nation of these streptococci occurred with diluted serum of elephantiasis patients. They are found only in the peripheral blood between the sec nd nd sixth day after the attack and are never found in the arterial or venous blood during the quiescent stage. A week after the attack they cannot be found at all. They produce first a der matitia, lymphanginitis, later lymph stasis with cedema, and after repeated injection thickeoing of

the skin. The author prepared vaccine for preventive inoculation by exposing pure culture to ca C two different occasions for an hour and gave ne million cocei at dose The inoculation was re peated three to six times the ten day interval. immediately after moculatio the phagocytic action f the leucocyte is reduced, but as increased two to three times after ten days. As rule, the action is proportional t th number of moculations. anthor considers three inoculations softicions. Immunety was still present in sixty-three per cent of the cases after one year and in twenty six per cent after three years. The crysipolas attacks censed, thickening of the skin did not occur and retrogressio of the already thickened alin set in. An immune serum of treated goat cured all symptoms f the track ithi two to al hours, using exf an infection

Ening Endethelisms of Lymph Nodes. J. Hol. Reserch, 1913, xxvin, By Surg., Gyme. & Obst.

Ewing states that for many years he has been encountering tumors of lymph nodes in subjects presenting no other demonstrable tumor and with whom the subsequent course indicated that no other tumor existed, and in which the structure strongly suggested endothelist origin. The observation of several tumors of this class within the past year which presented early states and trazel tional forms between those previously observed has led him to the conclusio that endothelloms of lymph nodes is rather common neoplasm that it is usually classed with lymphosarcoms on the one hand and with secondary carcinoms on the other that the process differs in many hortological. natomical and clinical features from secondary car cinoms, and that it is usually possible to recognize these features with considerable or complet car

tainty

The uthor reports eleven cases in support of his contention. These comprise clinically great variety of diagnoses, and upon study of them he

bases the folio ing condusions Extreme grades of endothellal hyperplasia re not infrequently associated with and dependent upon granulous tors infection of lymph nodes, and these cases demon strat the capacity of endothellum t respond to inflammatory irritation with extensive prohieration. In some cases it is difficult or impossible to deter mine whether this overgrowth is simply inflammatory or independent of the britant, autonomous. and neoplastic. The long continued effects of a eranniomatous infection may lead to neophestic growth of lymphatic endothelium, and is the course of granulomatous infection of lymph nodes, after renested operations, the granulomatous element may be climinated and the discuss progress as form of proplesm. Granulomatous injection of lymph nodes may very early give rise to excessive overgrowth of endothelium of distinctly amplication type, and with local aggressive properties.

Such malignant endothellomas may arise without any evidences of an amoristed granuloms. It is possible t conceive that an original infectious focus may be overgrown and obscured by the proplestic cells. V definit evidence of such an event has been secured but it has been shown that one node of chain may exhibit purely neoplastic overgrowth hile others show chiefly gransioms. Certain endotheliomes of lymph nodes designated as diffuse, plexii rm, perivascular or alveolar are probably derived from the endothellum of hymnh sinoses and lymph cords. Certain primary tumors of lymph nodes, with or without associated granulouse, are probably derived from the retoculum cells of the follicles. These tumors resemble lymphosarcoust with large cells, and may be distinguished from tumors of small lymphocytes. Endothelions of lymph nodes differs from other neoplasms in several particulars, and may be regarded as disease and ceneris although ementially accolastic

ORDEGE E BETTER

POI3033

Struebel The Micrococcus Tetraginests as Cause of Bactwarnisis in the Heman (Der Micrococus tetragene ah Errept von Bakteramen beim Micachen) Beitr blas Chr. 70, 1 leven, 143. By Zentralbi I d. ges. Chiz. I Genageb.

After abort review of literature hich above that the organism not only act an armbions with other bacteria, but may also alone cause disease, even sepist, the suther describes case of tetragenous equits with rare phenomena. A so year old mail apparent that as it empresses that the parent of the

Blood cultures made a three different occasions showed a pure culture I micrococcus tetragenous. Stroebel is of the same opinion as Ileums that thorganism is a pathogenic saredula. The primary focus probably was in the empyrema tax is, librough it was impossible to culturat a pure culture from the fistula.

Thies Treatment of Acut Surgical Infections with Rhythmical Hypersumia (Behsunding state throughest Infections and rhythmischer stauma). Desircher the Kast 9.5.

By Lentral | d gr Chr | Grenageb.

On physiological grounds Thies recommends in acute inflammations, an interrupted passive by to a mil tes follo est by equal perenda for periods frest, instead of the conts nous hypermais, recommended by Bier f th greater part of day This rhythmical hypersemia is made with an apparatus patterned after the Perthes ontinuous hyperemia apparatus. With this a y desired thythm can be attained. The method has the following advantages ver Bier's th rhythmical application may be pplied for several days without long interruptions. With an intensive, long-continged hypersemia the ordena is not strong enough to interfere with the hyperemus. The extremity als ye remains a arm. Obviously the endothelial cells of the capillaries are spared, as they always come in contact with fresh blood therefore they are more equal t the task f blocking the toxines There is no stanungsfieber which a often bserved after loosening the binder

Rhythmical hypernemia may also be used in patients with sensory dist risances, and a small children it may be used for several days. The insthod was of good service in series of cases of acute influentations.

SURGICAL THERAPEUTICS

Verschütz The Treatment of Septic Processes by the Administration of Alkalies (Behardlung arjuscher Process dark Darrockung von Alkalen) Destrier ethr Kenf (1) By Zentrabi I d. ges. Chir u. Grenzgeb

The administration of aliables in septic processes to combat the body acods liberated, and on the basis of bider physiologic cton, as undertaken groot many years ago it he surgical clinic of Gebeinmat Himann. They were given in large doses in all put cases, 0-ro gm. to adults and 5 gm t children. To prove the clinical observations and the theory promulgated, by Enthick, as far back as \$50 (that the bactericals) power of the blood is dependent on the bacterical power of the blood is dependent on Play with 50 cc. of a one cent bythochloric acid power of the blood is depondent on the bacterical power of the blood is dependent on Play with 50 cc. of a one cent bythochloric acid power of the blood is dependent on the bacterical power of the blood is dependent on the bacterial power of the blood is dependent on the bacterial power of the blood is dependent on the bacterial power of the blood is dependent on the bacterial power of the blood is dependent on the bacterial power of the blood is dependent on the bacterial power of the blood is dependent on the blood in the blood

favorable action is t be attributed (1) to their catalytic action (2) t their retention of water in the issues (3) t their citic pon the kidneys, causing an increased secretio (4) by causing proture glandular secretion, thus increasing the pocitic (3) to their rating of the blood pressure.

Von Brunn On the Valu of Peristalitin in the After Treatment f Laperotomy Patients (Über den Wert des Peristalities für die Nachbehandlung Baschoprietter) Zeutelli f Chris 9 3, 4 41 hy Zentralbi. I. d. grs. Chris 1. Grenoph.

Perfetablin is made from the bark of rhammes porshans and produces rapid and painless resumptio of perstakis after abdomland operations and is especially recommended as a prophylactic following such operation. The dose is 1 g mm substancousty to be prepeated if necessary in ten t twelve hours.

Magnus Th Treatment of Wounds with S gar (Wouldehandlung but Inchry), Huschen, sect. (Vokusche, 9 3, iz. 406 By Zentralki f. d. ges. Chir u. l. Grennyeli,

According to the experiments of the author sugar as such or in concentrated solution has she will still to be bacterlarded and preventive { patrefaction in the treatment of infected wounds. The anti-spide power is due especially to the peculiarity of the maps: an saturating water from the tissue. As a result: It is bathing with serum, the wound before a superior of the superior o

103 Report on the Use of Pituitary Extract in Surgical Shock. Series M & S. J. 9.3 chrile, 730. By Surg. Gynec, & Obst.

After briefly describing the symptoms of abook the author states that he has used pituitrin in about eight hundred abdominal operations. H states that as the essential factor in producing shock is the collection of blood in the splanchnic vessels with a resulting drop in blood pressure, drug should be used t combat it which will raise the blood pressure. Pitultrin produces marked effect on the blood pressure in patients who have undergone operation. He tives chart of a typical case which shows that the blood pressure at the beginning f operatio was which dropped to 80 a short time fter the abdomen was opened, where it remained almost throughout the operation. His procedure is as follows. An injectio I pituitrin is given before the patient leaves the operating table, usually before the abdominal wound is closed out 5 minims is the usual dose. This is repeated every three hours for four doses if necessary I the case quoted above 15 minims were injected before the abdomen was closed and the blood pressure increased to 85 and then to

90 within abort time. When this point was reached uncher injection of misims was given and 43 minutes later the blood pressure registered 10. The pulse set dropped in proportion to the increase in blood pressure. No evidence of abock was noticed although the operation was somewhat producers on the transport of the amount 1 fourth days.

In this series of cases no instance occurred in which there was a symptom of shock. In t or three cases, however condition simulating heart was noted. Whether r pot this pparent exhaustion was due t over-stim lation is a crocation Many other factors may have been responsible. These symptoms were ally transient the patient responding to stimulation after the administration of netultrie w. discontinued and an each instance the nations mad a uneventful recovery. Another result as noted in most of the cases it piears that pitotin has very marked effect on the muscula coat of the intestine caming a increase | peristaluls and facilitating the passage of gas. This result has also been noted by other investigators EDWARD L. COR PLA

BURGICAL AWATOMY

Howert Some Observations on the Austomy of the Inguinel Region with Special Reference to the Absence of the Compoined Tenden. Jung Gyeet & Old 9, 3, 37, 393, By Sung Cynet & Oke

In the persuling terrbooks on automy the official tends of adeathed but not confided much promisence. Here and ther it is stated that the tendon may be been then reach the investment of the tendon that such anomaly is true and of no practical uniportance. The thore distins that above mailder-dopment of the conjoined tendo is more common that has been supposed and that the matter is of practical importance especially in at bearing on the technique of brenth operations.

The condition is undoubtedly congenital and the tendon may be either thin and poorly defined, or it may be beent altogether hich is more commonly the case. In this event the fibers of the internal oblique and transversalis pass directly inward toard the edge of the rectus without forming my tendinous amon, and are inserted high up ir n sheath. The muscles and fascur of this region are also often found tremusted ad poorly developed. A triangle is formed with its aper at the ternol ring and its sides formed by the internal oblique and transversalls muscles and Poupart's figament respectivel the base is formed by the edge of the rectus. The floor of this area is formed by the transversalls fascia only hich makes t very eak spot, and predisposes t the formation I direct herpise. The thor has repeatedly demonstrated the condition chuncally before verification by opera-tion. A typical Bassini operation is impossible in such cases for the reason that there is no conjoined tendon. I cases of high meetile of the internal oblique and transversalis, these nancies cannot be sutured to Propart's ligament without creating too much tension. The operation which best meets the indications in the great majority of cases is the Andrew operation. The Bioodgood operation may be employed in extreme cases.

ELECTROLOGY

Sticker Th Employment of Radium in Surgery (Die Auswickung des Radiums in der Chiengie) Arch f. physikal, Mol. a. mod. Techn. 9 p. B. 51 By Zestrahl, L. d. ges. Chir u. i. Grengeh.

The action of radium differs from that of the Rhnigen rays. Weak preparations of radium applied only for short time, cause acute inflamma tory britation of the tissues. Is tumors this fritstion affects the connective tiesees first, but after some time the tumor cells are visibly injured Stronger preparations applied over a prolonged period cause distinct degeneration of the tumor cells almost from the start. Operable peoplesus were kept in an operable condition in cases in which the operatio had t be postponed. Many inoperable cases were converted into operable ones. Advanced apoperable tumors were temporarily improved by partially preventing their further growth. In cases of extensions of mycoon surfaces radium carbenzyme preparations were effective also, the combination of radium-ray with unipolar electricity was efficacious. Superficial alua carcinomata are especially susceptible to radium therapy. Nevi, papallomata, impes errihematodes were patalessly removed, feaving small exeatness. Muhipis lymphomats disappeared rapidly ben subjected t this treatment

Bétèire and Mériel. The Une of Rediography in Surgical Affections of the Steemen and Intestinas (Lexplantion radiographiye done leaffections chimproiles de Pestouse et de Patentis) y Cong d. I. Vas Fran d Char e Oct

By Journal de Chienryk The use of radiography as diagnostic and in respect affections of the stomach and intestines has made remarkable progress during the list few years. It is midispensable in order t obtain an outline of the shape of intra-abdominal argments of the digestive tube to make them more transparent or more opaque. Gaseous distention of the stomach makes this organ transparent opaque substances in employed such as salts of bismuth Large que tries of these salts must be taken (for meal so grams, for an ensure on grams). The examination must be mad in the upright posture. There are several other valuable methods - thet of bismuth and lycopodium I Leven and Barret, of doubly gelatinfixed capsules of Kastle, of Schwarz fibrodermic capsules. For enemata, gummy ater is the vehicle for bismuth bari in subphate etc. Of can also be med as vehicle.

Radioscopy and radiography may be used con-

jointly Stereoscopic radiography is of especial value for the large intentions. Radiography in series presents great advantages, and the polygrams recommended by Levy Dom (executed stitlingevery five seconds) give valuable laf maxion. This ander of the internal outline of the dispetire earliery marphology and modulty. I the different segments of the directive curct.

Residen 1 the storach The normal unaps of the stomach does not correspond t that given in text-books 4 mattomy and it is important that one should know the different 1 may tamps usome as well us how t measure its at all brights a determine the location (the pylores, t percent the deer more of gastric direction. Redographical examination reveals topographical anomalies of the stomach, displacements of the stomach secondary to hyper trophy or other pathological conditions of neighbor

ing organs.

Radiography abova morphological anomalies if the atomach, either I dimensions (tengthened, dilated, or retracted atomach) or I shape (axonattionalist atomach) or I shape (axonattionalist atomach). Radiocopic commissation enables not a study disturbance stationalists of the commissation of the commissation of station atomach, and the commissation of the commissation station, atomach, hipperstonic) or of station and portitable, atomach, hipperstonic) or of station and portitable, atomach, presented on the commissation of the companion of the commissation of the commissation of the companion of the commissation of the commissation of the comtant of the commissation of the commissation of the commissation of the proposed insufficiency.

Radiographic examinatio gives valuable disg nexts information is simple uler: I the stomach and in cancer of the stomach. Every pattern in whom a cancer of the stomach is suspected should be submilited to examination by the X ravs. Pyloric stonous is perfectly revealed by radiology

Radiology of the sutertimer Radiography furnishes valuable information in the following pathological duodenal states displacement, ptoss, tileration, sparm, and especially m stenosis. The principal signs of duodenal stenosis re bnormal farting distention on the side proximal t the stenosis and visible persisting duodenal perstalsis while the distention lasts. The doodenum has the shape of a samue, the length of which is determined by the seat of the stenouls. The first radiologic bearva tions upon the jejunum d ileum were those of Rieder Herz, and Schwarz, etc. When the intestine is diseased, radiology is of service to disgnose ptosis, atony and stenosis, especially of the ileum. Stenoas reveals itself by syndrome composed of three signs absormal stagnation of the contents of the ileum, bnormal widening of the gut lumen, and the typical aspect of hydrogaseous collections, making the intestinal loops look like the pipes of an organ. This aspect of organ pipes, filled at different levels with perpetually unstable gas and boulds, is charac teristic. For the large intestines, enemats are recommended. After injections, the colon dilates and sacculation becomes evident giving an image resembling string of dried figs. The examination of the excum. t 6 hours after the blamuth mest, with the patient successively in the right and left

lateral decubitus, allows in to verify the existence of the following conditions occum mobile, abnermal dilatation of the occum, theorical tuber culosis. The radiograph above the location of the appendix and the possible presence in its interior of freezi concretions and of foreign bodies.

After gastro-enterestomy ne should not neglect the use of X-rays. It gives precise information, especially concerning the function of the pylorus.

Harriagor believes the X-ray plates may show the typical picture of a non-cristing stemois. The bimush nema, in particular may provoke spasms and may become fragmented by gases and give upon the photographic plate the image of strictures. Upon the screen no must follow the progression of the bimush, make repeated examinations, and diagnoss stenoids only who tenderness is present at the point of accumulation and immobilization of the bismuth

We must voud errors I Interpretation with the X-rays. We must not if rasks other methods of choked lawrestigation. The radiographic image of choked lawrestigation. The radiographic image of volcent gastric peritation is easily interpreted in favo I pyloric steroots. Taber can give the same potentre, ices the gastric distantion. X-rays must not increase the number of tabetic patients operated upon for so-called stomached conditions. In certain cases clinked examination may bely us to verify a dispround of suspected other where the radiographic image taken with patient in the spright posture and provide the state of the radiographic image taken with patient in the spright posture of the provide of the radiographic of the provide of the state of the radiographic ordinaries of the radiography discover the signal of an ulcer. This is also true of cancer in the upper portion of the stomach. The stomach should be absolutely empty previous to the longestion of bismuth portidge.

There are always som patients whose stomachs show in the radiognaph a more or less complete billoculation, and still at the time of operation one does not detect the alightest notch of the greater curvature. These cases of passnodic billoculatio of the stomach are a frequent source of error

Passing to the large intestine the radiographic image of which is certainly more difficult to interpret than that of the stomach, or QUERVAIN thinks we must not teach too much importance to bismuth enemata, especially as concerns the diagnosis of the shape and position of the intestine. The bismuth enema creates absolutely abnormal conditions, and the images which result therefrom are caricatures of the large intestines. H shows a sketch representing the large intestine i the same patient — one after the ingestio of the bismuth porridge, the other after the bismuth enema. In certain cases, radiographic examination alone will furnish a precise diagnosis more exact than all the ther methods combined. There are other cases, and they form the large majority in which the diagnosis can be established only by considering all the clinical data. I DUMONT

GYNECOLOGY

UTERUS

Ejergand Investigations of the Endometrium; the Illistological Changes Incident to Bentin Affections of the Endometrium Carports (Endometria Understeiter de Histologica formdringer ved benigus Edelser af endometrium carports). Eyelvad 0 1

By Zentralid I d ges Gynzi, Geberrels d Frenegels

ther in ratigated thoroughly the endom patients. The cyclic changes era essentially the same as described by Hitschmann and Adler. The uthor divides the pathological th following groups () Endomeconditions tritis chromes et subchronica () hypertrophia fregulars giandularis (1) sublinvol tio mucosa menstr (4) hyperplassa gland simplex (5) polypus lie tia hes considerable alguificance to the hyper-trophia irregularis gland arm and ttempts t differentiat t from the other forms clearly as is possible. I the group the glands, such normally belong t debuil periods I the cycle (spear in various shapes sale by side likewise gland projections are found. The euclopeed fact of this form is not inflammation. The cause must be looked for other organs especially the ovaries. These patients present fairly constant clinical phenomena azemorrhages are urregular prolonged, recur usually immediately after curettage even after repeated curetiment or after period of menorihes. The recognition of these hanges indicates treatment retiment. This discuss occurs most other tha frequently bet een the ages of 34 ad 45. On the strength I the gland projections no diagnosis can be made as these occur also recented ath myoms ta aci ia kier women

The sales obstro morosa menstruales a chara terased by the fact that the pre-postmenstrual hanges commence abnormally let (5- days or more after the open of menstructure) so that premenetrual forms of glands are found alongwide of post-menstrual cha ges. These patients always have more or less prolonged irregular bleeding. Here to the etological factor more probably lies in the ovaries rather than in the mucous. After excett ment, several patients had no reservence whereas in others abnormal bleeding soon occurred again. The author put those cases in hich the nuccon is regular and ndergoes the normal cyclic changes but in hich the abnormality consists of quantit tive differences to the group I hyperplane ghand. simplex. The border-line bet ees the normal pathological trause is difficultly placed. The presence of invaginations is usually artificial. If the mucous membrane of freshly extirpated steres is caretted over one-half of the organ and the other

half anamined with its attached muscalar layer thes the invarinations are found only in the curetted portion of the mucosa. Actual papille are found but excely in benign curettings.

Polype are recognized best macroscopically as the only ound surface corresponds to the pedicle. Microscopically one can detect occasionally the antecedents of polype. The codometritis chronics and subchronics is best recognized by the presence of plasms cells, some of bich may occur without y other signs of inflammation. Come cases can be recognized by the presence of round cell taliften tion Ithout any plasma cells. The normal follicle ake groupe of cells lying the deeper mucous membrane must not be confused with pathological round cell feffirmtion. I contradictioction, the pathological infiltrations are more diffuse the gland cells is ing between the is mphocytes. The increase of spandle tid consective then cells is a less import at sign of inflammation on account of the vensbillty of the individual quantity and became they may be increased from other causes as in troph. The thesis closes ith large umber of dinical hatones accompanied ith carefull de tailed aucroscopic description of the macous prembrane and the accessory proof of the contentions raised Finally there is number of dra lags nd micro-photographs illustrating the pathological chaptes ductioned

Sudakoff The Blood Venada of the Uterus during the Memopause (Da Blangfass des Dans m Mirropasse). J. Sakai. perik. hebes S. Petimbopia), 325 fb. slo. By Zenicald Ld ges Gyald. Osbortah. d Grenapi

Sudakoff exum sed the uters of fifteen omes between the ages of 4 and 8 ho died at least one year after the onset of the menopague of diseases in no direct relation to the sexual preams. The most striking perture is the dilated lumen of blood reach which tocreases with the age of the woman. This is due t the gradual disappearance of the muscular elements of the vessel 18 the latter only single abers remail the others ha gradually been replaced by elastic and connective tasse. The circula and longitudinal fibers encroach upon the lumen lik tuited elevations, ad serve t Leep it closed. The endothelium and intima are fairly eli preserved. Calcification of the casel wall is relatively rare. The author concers with others that the aclerous of the uterase vessels is not dependent on the general arterial scierous, b. t is dependent upon pregnancy and its results. The venels are frequent ly so placed that one appears t be pushed into the I men of the other Goodall explains this phenous

enon as due to the formation of new blood vessels in the old nes after a pregnancy I young terms the old vessel will may disappee entirely and the new vessel alone remains wherea in older women the degeneration of the old vessel will occurs only partially.

Rawls Cancer of the Uterus. Med Rec 9 3, ixedii, 892 By Surg., Gynec. & Obst.

After some general remarks cancer th a thor discusses the treatment of term cancer in par ticular. The study of cancer has become an exact experimental science and a specific will be found even before its etiology is understood. H reviews the statistics from many countries abowing a general increase in cancer mortality. About 4 per cent of gynecological cases have carcinome. H claims that childbearing as whole does not seem to have the direct etiological bearing which is ascribed to it II quotes the census of 900 to substantiat has claims, which showed that the deaths from all causes in women between the ges of 45 and 54 show ratio between the married and single of 7 t from cancer f 7 5 to He makes the following statements concerning the treatment. There is no specific and the only means I combating this wide spread disease is early diagnosis and immediat operation. Cancer at some time in its development is local conditio and radical removal will result in a cure. But its early symptoms are atypical and many physical chemical and serological tests have been promoted for an early and correct diagnosis as yet unreliable. The subjective and bjective symptoms must still be depended upo fo an early diagnosis. He then discusses the three cardinal symptoms f cancer (harmorrhage, pain, foul leucorrhes) and concludes that after all, the uly real means of making an early diagnosa is by microscopic examination of tractes removed by curettage or excision.

The feet operative procedure for cancer a still faughte. The extended shoominal operation is done by Werthelm or the extended shoominal operation should be a performed by Schatta. The most the operations which in the greatest number of cases give the best labolitest accomplishments. If cases give the best moderates a perfect of the conclusions in referr to future? If it is to get a conclusion is referred to finite of the total perfect in the conclusion in the conclusion of th

adoption of this plan for the United States.

HEVRY SCHOULS

Peterson The Present Status of the Radical Abdeminal Operation for Cancer of the Uter a. Swg. Gyes. & Oht., 9 3, 344, 55 By Sorg. Gyes. & Oht.

The author believes that the unpopularity among American surgeons of the radical bdominal operation for cancer of the uterus is due to the high prinary mortality. If all reported and unreported

cases could be collected, a fair estimate of the pri marp mortality would be between twenty and fifty per cent. The author recognizes that two conditions must be brought about before the operation under discussio will be generally adopted. First the profession and fairly must be no ed cated regarding uterine enters that the disease will be recognized earlier and patients come to the surgeon when local and general conditions combinet to bring about a low primary mortality. Second if rith particular opcention, true specializatio must result, so that the occasional operator will be distinated.

occasionsi operator will be enumeration.

The backwardness of the medical profession in inaugurating campaign against carcinosas is explained by the family first diste that cancer is hope less as a cure. The also makes a strong piles for an organized campaign against cancer similar to that being carried or against subsercations. He extra carcer is local cancer and public continuous cartes as a construction of the continuous cartes as a construction of the problem. In Germany where education for the problem. In Germany where education in regard to cancer has been earried on, one out of every four women with cancer of the cervita, seeking relief or he subjected it the radical addominal operation, and are free from the disease at the explantation.

Thellinber Non-Surgical Treatment of Carci noma Car Frag von der Operationsionen Behandlung des Cartinoma) Best klist Weinseler 9 1, 145. By Zestrabl (d. gas Gynak u. Geburtsh, g. d. Gymarch

ther believes that the no surgical treat ment of carcinoma is not benefited by any efforts which tend t destroy all cardinomatous cells, but by the imitation of the curative efforts of nature. Nature endeavors to take correctly e measures against all diseases Spontaneous healing of cardinoms occurs in chimore frequently than is generally accepted This is not obtained by cell atrophy or cell death as in myomata but the epithelium not infrequently transgresses beyond its limits into the connective times especially if its power to proliferat beneath the epithelial layers is weakened. Ordinari ly this invasion of epithelium affects the con ec tive three like the irritation of a foreign body and in defense there occurs a reaction to the localized hyperemia expressed by hyperfeucocytosis and an increase f the prollierating power of the connective these cells. If this proliferating power is extensively dimnished and if the vessels are contracted and not capable of dilatation then these defensive measures remain absent, the epithelium penetrates without limit and a carcinoma forms. On careful examination small nests of carcinomators cells are found in the enlarged regional lymph nodes in the neighborhood of the tumor which are evidently not state of proliferation (alumbering carcinoma cells) The author refers t the fact that the lymph nodes frequently heal spontane ously especially after extirpation of the primary

menopsume may be expected as after in animal coe I cuss of metropathic hemorrhage the results are generally more prompt and strainer. In other individuals it is advisable to continue the treatment after amorrhors has occurred I order to make the effect persanent. In young individuals continue the continue that the property of the continue that the property of the continue that is not to the continue that is no moral menacration may be re-stablished.

Pfabler emphasizes the following points in the technique. It is necessary that the operator be an expenenced rontgenologist the exciting instrument give a uniform current I high voltage and the tube be no that will keep a constant high vacuum of 7 to 8 Benoist the distance from the target of the tube to the skin of the nationt is a faches. The rava are to be applied over the overtes and tumor if one be present. They should be confined t the area treated as much as possible and much care exercised that no burn is produced. The frequency of poli-cation will depend upon the patient and skill of the operator. The most in orable time for treatment is furt after a period or at time corresponding to it. A little less than [Il dose (a times) should be given and repeated at a corresponding time the succeeding month. From one to six such series is twistly acressity. By the time of filters and a radiometer, burns of the ski are more successfully avoided. In concluding he says that it is the method of choice in the control of harmorrisage in those at or near the menopeuse when cancer can be eliminsted as possibility, but is not the method of choice in young people unless there he contra N SPROST ELEMENT indications to operatio

Fachs X-ray Therapy or V portration in the Trustment of Harmorrhadic Metropathys (Bluggatherups and Vyporiation bel Hanchagischen Metropathin). Haustick f Gebruik.

Gyath 0 1 mayed, and. By Zentralid L d gran Gyank u. Gebertak a d. Grannyah The guthor reports his expenences with the vapor iration method obtained i 7 cases of hemotrhagic metropathies during the last none years. H em plays enclusively the vaporization of the fundus cavity the principal source of the bleeding, after thorough corretiment of the ameron and constion of all bleeding. After the introd ctio of n in sulator tube fo the special protection of the inthmus. steam is introduced to temperature of 5't for from 30 to, at most, 60 seconds. The method is especially adapted to preclimacteric bleeding. excepting severe cases of adenomyo-metritis, to all hypoplastic od semio uteri to all myomata. It is directly contra-indicated in all catarrial inflamma tions of the endometrium, as well as in all totiam matory conditions in the neighborhood of the atteres. In 9 per cent permanent cares were ob-tained, in 47.6 per cent permanent amenorators resulted in 44-4 per cent an offgomenosthers pproaching the normal menetreation only in 8 per cent of cases was there complet faffure. Analogous

to the clinical results were the autocaical findings obtained it a later explanation of the witner and whatever the later explanation of the witner and water with sounds. On the strength of this good makes the surface in a Blog to decide in it or of the concern ing and usually results in an illump to the function of the overy. He highly advocates his more conservative method as the method of choice in all mirror rhagic metropathies in older as well as younger waves. Stemsers.

Küstner A Perforation of the F adus Uteri (Ein am Fundun puforierter Uterus mit Adarras). Drestrike Gendlack f Gysek Halla, 9 k May By Zenrakk I. d. pm. Gysak u Geburtsk. d. Grenzach.

The partient was brought int the distinct with marked article harmonitus, (lofeying as the marked article harmonitus, (lofeying as the marked article harmonitus, (lofeying as the saminity tempored, followed by an alcabel doode, and when the currett was being introduced it aliqued in great distance without merting with resistance. Owing it the serious condition of the partient as wideous marked without merting with resistance. Owing it the serious condition of the partiest as wideous and personal that the partiest as the size of goods-eng and showed performs at the first of goods-eng and is man certain that this had been showed before the patient entired the chair. I spatie of complete within the patient and pat

Signart Removal of Danger of Particolitis by the Operative Transfitment of Reporting Uterus (Die Americaliums der Perfonstingstate bei der systetives Therapie der Diesemangers) Dentate Großek. f Gyadd Halle, 913, May By Sarg Ofter, & Okel.

I becombete reprines like into damage i bis parametrium, in total evinquition per seguin is utilizared. Where extreme injury or herostocies formed, laprotom, is indexed. Eract doubts sature of personnel delects is recommended with non-plet six incomplete inputers. There variously also also the complete six incomplete imputers. There variously design and the complete six incomplete imputers as the explanation of the complete six incomplete inputers and the reprint plant in the complete six incomplete inputers and the reprint plant in the complete six incomplete inputers and the complete six incomplete inputers and the complete six incomplete in the complete six incomplete in the complete six in the

I R. Mitter.

ADNEXAL AND PERSUTERING CONDITIONS

Frank! Overtex Functions in Reactow Disease (Dur die Ovsikifunktion bei Morbus Bassioni) Drutche Genelick | Gwill Halls, 19 j. May By Sing Gyaci. & Out.

Disturbances of varian function prohipmes t Basedow's especially dimensioned overstan function as in poherty pregnancy and incretion. The menopause must also be included. Of forty cases, eight began after 40 years, as between yo said 3) Jean, and five in the menopause. In the server cases automorbing was the rule though the type of menses gave no sure Prognosis. Basedon's affection is not caused by diamage it the ovaries. On the theory that ovary and thyroid work oppositely on the sympathetic, Frankiga or vitan tables in three cases with improvement of tachveards, and swent log.

Whit house The Autoplastic Orarian Graft and Its Clinical Value. Clin J 9 3 zliu, 07 lly Surg Gynca & Obst

In this short discussion of ovarian tra whit is time. Whitehouse reports one case in which the pation. Whitehouse reports one case in which the pation. Whitehouse the believes that moch greater safer operation. He believes that much greater safer will tend the use of small portloses of tissue, as is done in the case if the thyroid and other glandular structures. The tailty of the tissue is much more likely to be maintained if a ceding grattle re made. As regards the sit of implantation be prefer the rectain much case and preparation of the safety of the control o

I Absolut ascrictty and the vordanc of strong antheptics which ould destroy the vitality of the tissues. Pus in cases of chronic pyossipunx and astrono-oscibority in usually scribe

and salpingo-ocohoriti is usually sterile

3 The employment of min t or seedling

grafts.

3. The presence f good vascular supply in the times used as the bed for the graft. Muscle is en

thely satisfactory for the purpose.

4. The oversian turne aboud be left in conta t ist the body finds within the peritonest cavity that he begins are purposes of the grafts like the case here recorded the oversy was placed in Douglas powth and the time arrived for closure of the abbonish wound CARTY CRISTREED.

Regard and Lacussians: The Conditions of Sterilization of the Oracy by X Ray (See its conditions de la steinbassion de oraces par les 12300 X). Compt. real. Actions. Sec. de Sinépe. 9 1. laiv. 74 3.

Absolute sterilizatio of the ovary may at seems, be obtained by direct translation. It is nly not examy that a sufficiently strong dosage be used But there has been some discussion as to whether the same results could be accomplished by irradiation through the talkhousian at the abdominal well. Several early experimenters have claumed that this as the case but the authors doubt this because of the

results of their experiments with rabbits and dop-, la the rabbit the ovaries occupy a fixed and superficial position. If one uses very hard rays and a done of units II, absolves sterilization is possile a hummourn plate of a militareter pibeliness that the summourn plate of a militareter pibeliness of a hummourn plate of a militareter pibeliness of a hummourn plate of a militareter pibeliness of a hummourn plate of a militareter pibeliness than the summourn plate of the summourn plate of the remained stemis size (coundation although there was a late n-a-spectance of the symptoms. I rut. The ovaries of these rabbits contained only a few remaining normal folliculi.

I the blitch, the varies are more mobile and deeply situated. Here sterilization seems to be impossible some it is necessary t irradiate too large murfac and t use dosage which is so strong as to cause the drath of the animal by lesions f the intestines.

Fo the same reason sterilization in women is impossible by irradiation through the abdominal wall. The uthers consider that the few cases which have been published are not interpreted correctly frame. Creek

Bland Sutton A hot on Typhold Infection of Orarian Cysta. Universal M. Rec. 9 3, III 555. By Surg. Gyoce, & Obst.

Th importance of differentiating the B typhonic from the B coll and the B parsity-bosus is emphasized by the author as well as the necessity of culturing on special media and of employing the agrintiant-on test. All of these methods were taken dwantage of in determining the nature of the infectio at the cases here reported.

In the first case the patient had been treated ne year previously for typhoid (ever. The cyst was congressed plum-colored and weeked in sheet of thin adherent concentum but showed no axial rota toon on as pedick. It contained fifty connects of yellow purulent fluid tree from odor. A pure culture of the II. Arrhhome say admirtled previous.

inter of the P. typhoens was definitely proven.
In the second case the patient had had typhoid fover sitteen years previously and an ovarian cyta as opened and drained soon after simus persisting for nise mostlish. The surbor operation revealed on interest ovarian dermoid, the pur containing an interest ovarian dermoid, the pur containing the province of the patient of the patie

In conclusion Bland Sutton shows that the majority of reported cysts infected by the B typhosus have been of the demond type. The long duration of the infection as demonstrated by his second case is in all respects comparable: similar well recomized infections of the gall-bladder.

CARRY CULBERTSON.

Wight Ovarian Cyst with Twisted Pedicle Variation Med 9 L 140. By Song Gynco. & Obst.

Wight case had never been pregnant, ad her present trouble began one and an half years ago such pain! the right like region and plain years ago such pain! the right like region alight names, but no wonding not temperature of the region of the right overly with the region of the right overly with the region of the region of the region of the right overly with the region. The demonstration of the region of the right overly with the region of the re

tumor This is all probability indicates a process of retro-me worphoods, a court or process for the metastals, unvasion. In advanced cases the ten metastals, unvasion. In advanced cases the ten dency i spenisherous healing by the primary tumor is slight because it only originated in places. Between the bo described condition of lose reft relations crists in the connect! these. In contra-duties tion it this the metastases usully grow in titues like normal blood graphy this is we showing as lacreased teachery to sprostance arm.

Nature effort t cure a carcinoma moulat in hypersemus hyperleucocytows, ad increase in the problerat e power of onnective these The ormout andition gist in inversate high grow as long as the uterus is rich in blood bet rea menarche and menopause and a spontaneous cure by an tropky of the muscle fibers occurs fier the menonause when the utern becomes increasingly The athor proposes t amitate nature's anami. efforts in the treatment of cauce, carcinoma. Hegar proposed stration is involute. In mahemant tumors such tremmes à re also been made though unknowingly by the njection of Lausterich erys pelas serum by bacterial t time et action of these measures well the resulting care of cartinoma. Iter passing through enyspelas smallpox, and other februlo diseases depend on the production of local hypersenia and local adgeneral hyperieucocytosis. The action of other bloodless methods of treatment can be similarly explained as for instance and menutem of 4 hands choic of it race the action of X-raps of thermopenetration and combination of high frequency currents disthereny ad \ rays according t Müller

Meldneri Merked Influence of Mesotheri in on a Gerrical Canter (Willechaeld Sensitivana ruan Portis Archoost durch Mesothorbustablase) There & Organic, 9, 5, br. 45.
By Kastinki, L. & gra, Oyali v. Geberish. d. Grennet.

The ther refers t former paper (as the 56th orar of the Charité tauxlen). Inch he reports concerning sound outsining mesother) as higher of the incorporable terrate care nomats. It one end of the hard rabber sound is capsule h to contain the raidou crive substance for the contained the raidou crive substance for the orange of gauer and is arried through the virgins to the carracomations foun, here it is left for one or thours. Thus procedure is repeated on tent I fourteen accessive days. This equals one raying series. After an intermission of one to 1 or 4th the record of the contained on the c

The patient, 14 years old, for a long time had serving similal benominare: A cramination was made Vorember 0 which revealed isoper able enroumns the cervate presented a large if certain and tensor the size of an a first was found in the left parametrisms. The disconding of cancer as raude chancelly but not histopically

Menthorlum treatment was applied for day admired vormmer and for 1 days in Becruster As examination made! the latter part of Deemshe and for 1 days in Becruster As examination made! the latter part of Deemshe and the treatment of the mentiodies, However the patient unproved from day to day to the she felt to be preferred we made to this time aboved an apparent lampus of the size of the best part of the size of the size and smooth scars. Ith raised border or the test parametrium as only the size of best eag and smooth scars. Ith raised border or the in plat of the former identitions of the territ.

I range declared the former inoperable cancer to be operable one. Diagnostic excusions from the cerus above one as a time rich in cell is bland each cancer cells. The patient has since remained perfectly free from y disturbance. If uses.

Merder Th Ca tery in the Radical Treatment of Cancer of the Cerelx. Surg Grace & Ont, 9 3 NN, 179 By Surg Grace, & One.

The extrapo-cal terr is preferred to the Pamelia ca tery because the former has been more effective in producing thoroughly harved black surface. I properly onstructed disc-shaped galvasoea ten is most effective. I the pullists operatwo repeated projections should be made until the riace thoroughly charred In the radical opcration the various steps are described. Briefly they are () Thorough curretement of the diseased parts and ca terrestion still all cooling is controlled. (1) Inches entirely around the ceras as far possible from the affected ares by means of the causery knute t doll beat (1) Desection carried p between bladder and stores to peritore um. Blattler protected from heated kaile by retractor (a) Iligh ampulation of the certix per formed the cautery kall and autiace thoroughly charted by means of dome-shaped galvano-cautery opening I t Douglas pouch. (5) I tient then prepared for laparotom and free inculon mark between sublicas and pubes. Ibdominal part of operation same as i ordinary punhysterectomy except that after heation of the pafundibalo-pelvic and round luraments with catgut, the parametra re bursed through by means of Do nes electrothermic clamps after protecting the surrounding priets with moist gauge and metal shields for clamps.

The operation is bloodless one if the technique is perfect. Should there be night bleeding the burnant may be repeated we acquit injuried applied. Prefundanty desects a caput injuried and the perfect of the patient is in good combined to the perfect of the patient is in good combined to the perfect of putting the parametris on the street of public perfect of the p

RESULTS

Total number of cases operated by radical method. Operability

Primary mortality — 4 cases Cases operated upon over fi years ago

By veginal method
By combined veginal and abdominal method
Smylving five year limit — \$ cases

Deaths after five years from recurrence — 4 cases after 636 years from carmnoma of liver after 6 years, recurrence in retroperstoness

after 6 years, recurrence in retroperatonesi glands and spinal cord. 1 after 5 years, recurrence in impher glands

after 5 years, sit of recurrence not known.
Death from intercurrent disease after 6 years.
Living and well at present time — 3 cases.

Hirsch The Etiology and Treatment of Uterior Hismorrhages (Zur Lehre von der Attologes und Thempie der Uterubikungen) Hassitale J Geberik a. Gyall 9 J. EEVIN, 470 By Zentrale I. d. gra. Gyalls Gebarteh. d Grenzgeh.

Hirsch first discusses the different attempts to explain essential terine hemorrhages. He denies the etiological influence of scier tic thickenings of the uterine blood vessels indometritis, localized kemophilia, or a abnormal stat of the glands f internal secretion. If also disputes the or risn origin based on an examinatio of his uses of ovarian tumors and also excludes functional disturbances of ovaria act vit. If is of the same otenne insufficiency opinion as Theilhaber that exists i. e., an bnormal relation between the hypersemia, the cause of the hemorrhage and the contractibility of the uterus which stops the bleedhe. On this account typical natomical hanges within the oterus such as co pects to tusue hyper phala are not always necessary or demonstrable. This theory explains the hamorrhages occurring in different uterino discuses, as metritis, atomy or subinvolution. Excepting all the remedial measures correcting oversan conditions all therapeutic gents used so far ttempt t arrest hemorrhage by exclusing or increasing uterine contractions. Hirsch used injections of rgodin int the uterin muscles through the cervical walls in soo cases. The technique is similar to the one used for local amesthesis of the sterus 34 % or gm doses are injected daily for 3 to 4 days. The inducations and courts indications are given. The results are excellent, especially in preclanacteric hemorrhages.

Fries Treatment of Amenorrhous (Schandlung der Amenorrhou). Deutsche sood, Webniele 913, mmis, 575.

By Zeonabl 1 d. gen Gyath. Gelorath. 1 d. Greanpel. Fries reports two cases of assemblyers in which histocretical injections of planghandel and promoted measurem bleeding after the usual methods of treatment had been used without any result. Five thereings of the most produced by the product of the cases, which were used in two Cases. Whether the success is lasting only further observations will slow Recommend.

Foges: \ Ray Therapy in Uterine Harmorrhages (Über Rösigmiberapis bei Uterabbatungen). Wien. med. Wickerde 9 3, 14H 993.

By Zentralbi. f d. ges. Gynák. u. Geburtah s. d. Grenzgab.

33% 5 1%

338%

'n

Fore points to the superiority of X-ray treat ment over operative treatment of uterlae myomata, in so far as mortality and post-operative compiles attended as a concentration of uterlae myomata, the state operation is the postfolially of order to the postfolial as attendation dependent in the postfolially of order to the postfolial as attendation dependent on myomata. I practice, however this objection is negligible, Severe injuries of all and operationed me avoidable with an exact technique. The most important indication for X-ray treatment in gyracology is the ability to produce a decrease or complete cressation of hemorrhages.

Three cases are reported. In the first case disbetes, in this second valuation heart disease, and in the third referri of the patient to submit to operation were the indications for the X-ray treatment. The author treated sliggether twelve cases of mynomats and four metrogathies. Ammountones was an apply of the owners under X-ray treatment As anophy of the owners under X-ray treatment occurs much more quickly in older patients, those approaching the memopasses are expectally adapted to the treatment. Decrease in this size of tumors was observed only three times. The technique employed was that of Albert-Schobberg.

Softened and submucous timon, also those that are growing rapidly or on account: I their size and location, create functional disturbances in other organs are not adapted to the treatment. Each case, however must be followed closely and should employed of attromatous degeneration rise, be immediately operated. The gracedospit and not the radiologist should set the indications. Rence.

Pfahler The Treatment of Uterine Hamorrings by Means of the Röntgen Rays. Am. J. Obst., N. Y. 9 3, lavis, 850. By Surg., Oyner. & Obst.

This article is based pon a review of the litera nd a report of twenty-three cases treated by the author during a period of ten years. The first effect noticed in the treatment of a fibroid is the decrease or creation of bleeding. The closer to the menopause the more rapid is this effect, Generally there is a decrease or cessation of the flow within a month o two after the first two series of the says, or after one or two full doses (10 to son) have been given. For the production of complete and permanent amenorrhors, from one to six applications (o times t for times) are needed, requiring from three t six months munily Oc customally after the first treatment the next period is more profuse than normal, in view of which year anamic patients should be put to bed. The reduction of the tumor is slow and secondary to the effect on the bleeding. He states that of sixteen petients who coused treatment it is impossible to find the tumor in twelve.

The same nervous phenomens after the ind ced

menopsuse may be expected after the natural res. In case of metopathic hemorrhage the re sults are generally more prompt and striking. In edited the treatment there are more than a secreted in order to make the effect permanent. In young individuals encouring the area of the control of the

Pishler emphasizes the following points in the tech ique. It is necessary that the operator be an experienced routgesologist the exciting instrument give uniform current of high voltage and that be be one that will keep consta t high vacuum of 7 t 8 B noist the dist nce from the target of th t for t the skin of the patient is a facher. The rays are to be applied over the overses and tumor if no be present. They should be confined to the area treated mu h as possible and much eare exercised that no burn is produced. The f equency of poli-cation ill depend upon the patient and skill of the operator. The most fa orable time for treatment is furt after period r t time corresponding t it A bittle less than full dose (o times) should be given nd repeated t presponding time the su creding mooth. From one t it such senses is savually necessary. By the are of atters and radiometer, burns of the ski are more successfull avoided. In coocheduse he says that I is the meth od of hoice i the ontrol of betweenham in those at or nea the menopulate when cancer can be effin inated as possibility, but is not the method of choice in young people unless there be contra-Indications t operation 1 Seep II FEY

F chs. Newy Through or Vaporization in the Treatment of Hermorthial 3t treatings (Rottgentherape oder Vaporiation hes Hanorius ischen Meriopathera). Homistof J Geberth Graff 9 3. XXVI. 4.00 By Zentribl I of gos. Optals. a Geberthi. 4. Georgeth

The uthor report his experiences like the vapor ization method obtained in 7 cases of hemorrhaps: metropathus during the last nine years. If em ploys exclusively the vaporization of the fundas cavity the principal source of the bleeding, after thorough curretiment I the mucosa ad cessation of I bleeding. After the fatroduction of an in sulator t be for the special protection of the inthinus. steam is introduced t temperat re of 5 t for from so t at most to seconds. The method is especially adapted t preclimacteric bleeding exceptusg severe cases of adenomyo-metritis, t all hypoplastic adsensis teri t all myomats. It is directly contra indicated in all catarrhal inflamina tions of the endometrium as well as in all lafters matory conditions in the neighborhood of the oterus. In o per cent permanent cures were obtained, 1 47 6 per cent permanent amenoribeea remitted 1 44-4 per cent oligonesorraces p-

proaching the normal menetreation only in \$ per

cent of cases as there complet failure. Analogous

to the clinical result were the nantonical findage obtained at a later exploration of the turnies earlier with sounds. On the strength of the good results with sounds. On the strength of the good results that the strength of the good results are not to the strength of the good results are the strength of the good results are the strength of the country. If highly advocates his more conservation of the owner. If highly advocates his more conservation of the strength of the good results are the strength of
Kilstoer A Perforation of the Pandon Uteri (En am Fundes perforanter Uterus ink Admers). Destrois Gerdini f Oyaki 112hs, 9 j. Ma By Zentralk f. 4 ges Oyaki. Gebotak a di Grenzel.

The partiest was brought far the claim? At the claim of the control of the contro

Signart Removal of Danger of Perirestits by the Operative Treatmen of Rophered Uterus (De Aroccalaining der Personnungslab bei der sentives Theoreps der Uterversprant Dentack Geolich f Gyali liste to 5, M y By Sarg Gyace & Olse.

I normplet repirers lib title danaset i the parametrum the total critiquiton jet agint is refuzied. Where est taure njury or hematorel m found, hipporton in unlateral. Unset forbid sature of peritoneal dere. Is recommended with norphet six noomplet six noomplet cupraces. There around the complet of the defect outpeause and one sense chouse of the defect out performed. In the contract of the defect outpeause and one sense chouse of the defect outpeause and one sense the contract of the defect outpeause and one store also assessment of the defect outpeause and the contract of the defect outpeause and the contract of the defect outpeause and the defect of the defect outpeause and the defect of th

J R Manua

ADNESAL AND PERIUTERINE CONDITIONS

Frank! Ovarian Functions in Resedow's Discuss (Über die Ovarnikuskoo bet Merbus Basedows) Deutsche Geselleck / Großt Halls, o. j. May By Sure Cysec. & Obst.

Disturbances of or its function prediction of the Boardow capecially distribled ovaria function as I palerty pregnance and lectation. The memoparate must also be included. Of forty case, eight bega after 40 cars, as bet era to and

53 years, and five in the mesopause. In the sector cases amenorates was the rule though the type of messes gave no sure prosposis. Basedon's dresses is not caused by dismage I the ovaries. On the theory that ovary and thyroid work oppositely on the proposition, frainly a own at tables in three cases with improvement of ta h cs. du. ed second for.

J R Minuse

J R Minuse

Whitehouse The A toplastic Orari n Graft and Its Clinical Value. Clos. J 9 2 xin, 07 E Surg Gyace. & Obst.

In this abort discussion [unan tramph is then, Whitebourn reports one case to which the paper was necessively regularly one year after specific was necessively regularly one year after specified. If believe that much greater some III attend the use [small persons of tissue, as it done in the case of the thy road of their glandular structures. The taility [the tissue is much more likely 1 be maintained [seedling grafts are made. As regards the set of (unplantation, he prefer the rectum smaller he between the proposed size of the rectum smaller he between the proposed sizes of the control of the proposed sizes of the rectum smaller has been considered as the proposed sizes of the operation of the success of the operation.

z. Absolut septicity and the ordane f strong authorpies which would destroy the utality of the tissoes. Fus in cases of chronic pyosatpens and salpungo-oophoritis is mustly sterile.

s The employment i min te scotling grafts.

3. The presenc of good vascula supply in the there used as the bed for the graft. Muscle is entirely satisfactory for the purpose

a. The oranan tissue should be left in co tast with the body ducts white the peritorial carrily mill it is required for the purposes of the grafts. In the case here recorded the ovary was placed in Douglas pouch until the time arrived for cleaner of the belommal wound Carry Courserson.

Regard and Lucassaqu The Conditions of Sterilization of th Ovary by X Ray (Sor les conditions de la sérilization des ovares par les rayons X). Compt veral belows Sec. de Soleges, 0, 3, lexiv 184

Absolute meditation of the overy may it seem, be obtained by direct urndations. It is only pecessary that sofficiently strong dosage be used. But there has been one discussion as a whether the same remains the could be accomplished by irradiation for the same remains the thickness of the abdomical wall. See well carried the strong the st

In the rubbit the ovaries occupy a fixed and superficial position. If no sees very hard rays and a dose of units it absolut sterilization is possible. (An aluminum plate of millimeters thickness must be used as a filter; a word rudbo-dermatitia.) Of seven rubbits thus treated by the a thors four remained sternle after fecundation although there was a late re-suppearance of the symptoms front. The

ovaries of these rabbits contained only a few remain ing normal folliculi.

I the bitch, the varies are more mobile and deeply attuated. Here sterilization seems to be improvable since it is necessary 1 irradiate too large surface and t use a dosage which is so strong as t cause the death of the animal by lesions of the I testines.

F the sam reason sterilization in women is impossible by irradiation through the abdominal wall. The a thors consider that the few cases which have been published are not interpreted correctly PLESSE CAPET.

Bland-Sutton A Not on Typhold Infection of Ovarian Cysts. Universal M Rec., 9 3, 31 325 By Surg Gyorc, & Obst.

The importance of differentiating the B typhosis from the B coil and the B paratyphosus is emphasized by the author a well as the necessity of culturing on special media and of emphosing the agglutination test. All of these methods were taken advantage of in determining the nature of the effection in two cases here reported.

In the first case the nutlent had been treated one

yea previously for typhoid fever. The cyst was congenied plann-colored and velled in a sheet of this adherent onentime but showed no axial rotation on its pedicle. It contained fifty onners fyellow parulent fluid free from odor. A pure culture of the B typhoam was definitely recess.

user of the II typhom as a definitly proven. In the second case the patient had had typhoid ferret statem years previously and an ovarian eyes a spopen and drained soon after a simus persisting for noise months. The whose appearance received to the partial of the partial of the partial of the II typhowant and gradual the partial
In conclusion Bland Setton above that the malocity of reported cysts infected by the B typhosu have been if the demond type. The long duration of the infection as demonstrated by his second case in all respects comparable to similar well-recordized infections of the gall-bladder.

CARET CULBERTHO'S

Wight Overlan Cyst with Twisted Pedicio Torifacial Med 9 3, 40. By Surg., Gynec, & Obst.

Whith case had never been preparant as he present troob began ose and one half years ago with poin in the right flac region, alight names, he movement over temperature. Her second street occurred several months ago larting for vecks. Appendicitis was the disposing in both stracks. The third track was similar in all respects, except that if was accompanied by temperature of root and pulse of 20. Operatio for chronic appendicits was sufficied. Laparatomy revealed a dermoid cyst and unflocular cyst of the right curry with a thirt of pelicle. The dermoid was the size of 20.

orange, and along with it was unilocular cyst twice its size, though no diagnosis of tumor had been made before the operation. C. D. HOLDER

Couls A Case of Maligoant Multilocular Cyst of the Overy in a Young Oirl. Physician & Sur By Surg. Gypne. & Obst. 911 THY 100.

The author gives a detailed history of a seven year old girl who entered the hospital for painless enlargement of the abdomen. The patient men strusted month before entering and again just be fore leaving the hospital. Cumming operated upo her and removed a right oversan cyst which weighed about three pounds. This proved to be locular cyst of the overy undergoing carcinomatous changes, or malignant teratoma. C. II D VIS

Gord Primary Malignant Neoplasm of the Fallopian Tube Canal M Art. J. 9 3, H, 180. By Serg Cynec & Obst.

True primary neoplastic tumor formation in the Fallopian tubes is a comparative rarity Cancers constitut the most malignant blastomata of this organ. The author reports minutely a case of primary papillatorm, medullary cancer I the t be, describing the symptoms, technique of operation and the microscopic examination of portions of the removed organs. Room Scioons

EXTERNAL GENETALIA

Canwenberghe Thrombus and Y Iro-Vaginal Harmstoma (Thrombus et hématoure valvo-rari-David) Buil Soc, beige de grace et d'obet, 9 3, xxxx,

By Zentrafbi I d ges Gynak Geburtsh d. Grenzgeb The perient was 3 years old and in her fourth pregnancy when also entered the clinic. At the onset of labor the child lay in the left occipito-anterior position. Dilatation was slow and difficult. The second stage lasted one and one half hours with powerful pains, the child being normal. The after birth and membranes showed no abnormality the day after delivery hemstoms was noticed on the inner side of the right lablum major The was treated with cold applications, all presents being voided for fear of gangrens. The following day the swelling was larger but for four of infection it was decided to wait. Finally after two days, with thorough disinfection. large incision over the theoretic numbers of a proposition of large quantity of clotted blood. The cavity was not explored, t wold possible recurrence, but was irrigated and packed with loddorm games. The hemorrhage did not recur and no injection set in. The large cavity filled up with granulations within three works, and mother and child were discharged in good condition. The author believes that in the absence of other organic causes the hematoms was due to the powerful efforts of the patient to deliver herself rather than submit to forceps delivery

POLLAR

Bronha: Creation of New Vagina, with Report of Case of Transplantation of the Small Intestine into the Vagina (La cristica d'un vegia artificial avec relation d'un cas de transplantation vaginale del'intentre grile). Bull. Acad. de Hol. de Bol. de Coloreste. de Societa de Coloreste. De Journal de Coloreste.

After summerizing the various old (generally imperfect) processes devised by surgeous to give vagina to women denied ne by Nature, the writer d ells t full length upon the two methods which now wie with each other for the favor of the murical world, vis. Schubert a, which takes the terminal portio of the rectum to make the new vagina, and Baldwin s, which for the same purpose uses loop f small intestano.

Baldwin a operation, as modified by Stoeckel, was Bronha a choice to relieve the moral distress of a girl, so years old, who absolutely insisted mon operation. The first step was to burrow canal in the recto-vaginal acptum up to Douglas ponch Next the boomen was opened through Plannersstict incusion. There was no trace whatever of an uterus there were two ovaries flattened on the lateral pelvic all and each accompanied by small perovertan ever, which was removed. Then a loop of small intestine, inches long, was freed, doe care being taken to spare the mesenteric attachment, and, by means of thread, said loop folded in its middle, V-fashion, was dragged through the incision in the peritoneum of Douglas' pouch down to the vaginal tunnel. Continuity of the gut was re-established and the abdomen was closed.

The third and last step consisted in bringing down t a level with the hymen the tip of the folded intestinal loop which filled the varinal infundibulum. This was easily done the loop was opened, and its edges sutured t the edges of the cutsneous

Tarre months after the operation there was be tween the urinary meatus and the agus a round opening admitting the finger and leading into carel
if inches long which terminated at the apar formed by the angle of the kink of the transplanted loop. It will be easy to ascertain the functional result, as the patient will be married in few months. The paper is illustrated with several diagrammatic fig. mes which emble the reader readily t understand at glance the described procedure. J Dumos

Schmid Vesico-Vaginal Fistule Cured by Trans-plantation of the Faccia Lata (Bluerachicket notel, gaboit curch free Factiontransplantation)
Eiche f groß, Und., Laker. n . by ... Einele J gratis Ural, Laipu, 9 3, 1v 33. By Zantralbi L d. gen Gyalik Geburtab d.

The transplantation of the fuscia into as proposed by Kirschner has found extended use in surgery but a few reports only are found in gynecological same ture. The use of fascial transplantation in operamons for vence-vaginal firtula is of recent date. In the patient referred to three acquire attempts were made to close the fistule. The fascial transplants

tio in the fourth operation brought about a f 'o' able result.

After separation of exical and agenal mucous membranes, the edges of the vesical fatula were freshened and the fistula closed in I Ansverse direction by fou catgut sutures. Mer careful hemastasis a portion of the fascis late of the right thigh was so sutured bet een calcul and vaginal moreone that it covered the entire you al ture To obtain as m ch tensio as possible the fascia was sutured taut by catgut sutures t t four corners. Finally the vaginal mucosa as sutured in a longitudinal direction by the assistance f a relaxation incluion. After operation etention catheter was used for days. The patient om pletely recovered

It is of the utmost important that the fascial gaps tell giving retrection a tise fold up thus latter fering with the blood suppl. The formation f and supple the folding thus the supple of the suppl

Savarà Contribution t the Study of Primary Carcinoma of the Valva (Lontribut allo studio dej carcinoma primitin della ult.) (a. 6 este

Guere 913 XXX 38
By Zentrafbl. I d ges Gynak Geburt h d Grenageb

The autho reports t elv cases i primary vulvar carcinoms occurring among the three hundred cases of carcinoms of the female genitals d ring ax years in the hospital at Siems. H mentions the age. etlological factor and seat of the coplasm (two esses developing during pregnancy) Only one case was not of the squamous celled type. Savare tays stress on the proritos as an initial symptom. The internal and external glands become involved quite early and this explains the frequent recurrence after operation. Four f the thor cases were inoperable. In operable cases, the witho removes both internal and external glands as far as possible. Three of the cases showed post-operative recurrence, one developing from the remaining glands, the ther two beginning in the scar BERREICH

two beginning in the scar BERRERICA

Graff and Novak Basedow Discuss and the
Genital Gland (Basedow and Genitale) Devices

Gradisch f Gyadh., Halle q 1 May By Surg Gynec & Obst.

The examinations of 50 cases i Basedow's discuss aboved diminished gential I oction in eighteen increase in oor and no change twive. In the cases the indications of primary ovarian deficiency were present. Dynamenthe was present in six cases seven cases, which under the dremostances might have become pregnant remained sterile.

One patient who became pregnate, grew acces and improved nefer antilhyrociden two got well agontaneously in the accord half of pregnancy. One case with compression of the traches and status lymphaticus died under anarchiesis. One child was cornal, one permature and one under-developed. In avenity-six cases, where the graited examinations aver of value, gatteen cases were normal one such had parametrills and parametrills atrophicans of Treand and three were strophic probably settle. One a year old patient had a very small uterus, four had outprobe infantile graitfalts and ten had other stigmats f hypoclassis. Basedow a disease often status i puberty pergancy or the climac terium. One started after a hysteromyomectomy and snother start "Vary examino" normal.

Graff concludes that the genital system can be greatly influenced by the thyroid, and that the thyroid rate tensitively to genital changes, parily perhaps through aympathed changes. Individual cases must be examined carefully to determine the primary f ctor.

I. R. Muzza.

Gräfenberg A Contribution t th Chemistry of Veginal Secretions (Els Beiting our Chemis des Schodenskrives). Desirch Gestlink f Gresch, Halls 9 3 May By Zentribl. Ld. res. Grunk u. Geborud. a. d. Grescreb.

The addity of the vaginal accretions of any wo-

man has wide range of variation. By making a serial examination of the secretions of the same women it becomes evident that the addity is dependent ou the mentarisation for the percentage of lactic add it seems higher before during, and after the minimizal period. The fluctuations in the add of the period of the amount of mentarial low, for they occur also the amount of mentarial town for they occur also the second of the second uterior operations. There are no quantitative fluctuations i the amount of add during the menoposuse

Polland The Treatment of Genorrheal Infections with Tanarientam 5 positories (Die Behaudiug ponorbencher Process mit Tanarientan-Salbehen) Desix is mad. Weinsele 5 3, voir., 656.

By Zentralbi, f d gen. Gyrak, Gebertah, s. d. Grenzgab

Tanagratan is after allowinate combined with an astitures. In the preparation of the ordinary loogies an easily solub fatty base is used which covers the monoas with fat so that the bactericide can not act and stronger compounds causs irritation. These suppositiones poor in fat, can easily be introduced into the female unchars in this wy it may be more than the supposition of the supposition were good infrasting actions did the treatment were good infrasting actions did not be supposition.

not appear, the secretion and gunococci decreased. The use of these bougles in vaginal governhea of girls is very successful, its action is lasting while solutions ain ays are discharged. After tanarrentan has draplayed its antiscretic action it continues to act against the inflammation ad inhibits the secre tion by its estrangent substance in the form of tannin. Thus it removes the often long continued mucous discharges. It is sho t be recommended for the brond forms of gonorrhea. You Minnes.

Vogt Contribution t Melano-Sarcomata of the Chitorie (Beitrag en den Melanourkomen der Chtorie) Arch / Cymth, 9 a. m.lz., 664 By Zemnabl 1 d gen Cynthe. Gebartan a d. Grenegels

Vogt offers collect! report of 8 primary melano-arromata of the chioris, which have been published t dat th the addition of personall

observed case His pate t 4.6 omat. vern old bo arried t the menorsance t t Vine months prior t the operation the patient noticed a blush dis-coloration on the left fuluum—th the formation of growth The eretheral os was covered by the tumor but as not itself involved. Esturbation of the tumor with the lymph glands and the surround ing parts of skin as indertaken with recovery. Death ensued a months later from send Microscopical examination showed that the enidermet ad con mere intact the tumor being attented in the subcutaneous adipose tissue. The pigment ontest of the cells was pronounced and the shape of amorphous marres was the lymph spaces and blond vessels. The superficial and deep lymph nodes have undergone mahanant degeneration

Melino serroma of cirtoria, in contradictinction t vulvar sarcoma i found month in elderly orace The agumal glands are also y involved. Prolonged ntervals before recurrence after radical operations have almost never been observed. The superficial nd deep inguinal lymph nodes must always be removed even if they appear healthy on account of the great malignancy. Should they be prolived then the slise ad hypogustric lymph glands also must be removed

MISCELLANEOUS

Spillmann Thiry ad Benech Spontaneous Gangrens of the Genttal Organe is Man and in Wome (La gangrées spontante des organes printes ches l'honome et hes la (couse) Parle mil

By Journal de Charague Among the reported cases of gangrens of the

genital organs there are large number in lach the pathogeny is but little understood samely those cases occurring in young individuals without organic deficiencies od whose bygiene is good. Fournier has given a remarkable clinical description of those rapidly progressing cases, to which he applied the name of spontaneous fulninating gangrene.

This type, heretofore has been met with only is males. The authors, however have gathered three cases in women one of these being original and appublished. The condition seems mack more dangerous in women, very likely owing to the anatomical disposition of the female pesital organs. In the female the mucous surfaces are very extensive and offer particularly favorable ground for bacte rial growth, fascial arpta are less developed, and, therefore, do not constitut as powerful barrier against the spread of infection | rthermore, treat ment is much less efficient, because it is very difficult

t keep the gasgrenous parts separated from the healthy skin or other gangrenous parts and, feasily because the method of treatment so easy to anoly in the male, free prigation, or even continuous

bathing, as not satisfactorily applicable here. The three reported cases died. Their appealished case is summarised as follows: a young girl, 18 years old, without any previous morbid history as admitted to the hospital for gangrenous sees in olving the labla majora, the groins and anus and ascending t the sacrum. Sh states that after a profese diarrhess brasions developed around the anal margin and became the starting point of the ctuall existing lesions. The perineal muscles are exposed as if disserted in an untomical specimes guagrenous patches are sent on the fascis: and the around emits as offensive stench. The general condition is poor temperat re or pulse so. The nerrotic process progressed, the dead thoses fell off and soon cloace took the place of the rectum and vagina the rectal ampulla was barrd in the middle of the gangrenous focus. I jections of camphorated oil and electrargol were given fillout any appreciable benefit.

As cultures show the presence of Vincent's bacilli and spiritts, t intravenous infusions of 0.43 gas neotalvarian were given at four days interval This brought about a fall is the temperature and an improvement in the general condition. I the third week, two months foctus with its placents was expelled, the ovam being intact. Theresiter the general condition steadily grew orse decubits! nicers developed and the patient died.

The autopsy did not disclose any important facts. The fungs exhibited ctive taberculous basices The uterme cervis was completely necroticthe sacrum and coccys meach, but II the soft parts of the region are involved and almost in state of deliquescence. Bacteriological examination showed numerous Vincent bacilh and sparills in the necrotic forl associated with many gangrene-producing micro-organisms (Locifler bacilles, micrococci in kains or clamps, colon bacillus, et)

Chlabelm Messtrual Melimina. J Old & G sec. Brit. Emp., 913, 12thi, std. Hy Borg Gyonc. & Obst. Chisholm has made careful laquiry on the

frequency of disturbances of mensuratio in other wise healthy young girls and from an analysis of the menstrual histories of 500 school girls of English middle-class concludes

The majority of girls commence menstruction

painlessly 58 per cent I the series had no pain. 1 That umber have discomfort, some oc casionally som regularly for a tim varying from ne hour to two days just before and with the commence ment of the menstrual period. This discomfort is

often slight in character 3. That a few have more severe pain, either reg ularly or occasionally A very small umber Le.

1.8 per cent, are incapacitated.

4 That a small umber i. e. per cent have discomfort or pain for longer period than one or two days during the whole time of menetruation.

That the discomfort in girls is most frequently local in character and when there is serious general disturbance it is accompanied by severe local pain, and probably proceeds from some local abnormality congenital or acquired.

6. That the best developed girls seem less likely to have menstrual disturbances.

7 That this freedom from discomfort is not affected by hard mental work carried on under bealthy conditions. N SPRONT HEARET.

Henry Clinical Manifestations of Genital Tuberculosis in Women, Med Horid, 10 3, 2225, 75. By Surg Gyuca & Olse.

The uthor gives a very interesting review if this subject. His statistics are of particular interest. After large number of autopaces on women dying from tuberculous, by many observers, it has been found that the general organs are affected in from per cent while men dying from general t ber Calosis have the genitals affected only about 14 to 1/6 as often. In 3 cases of genital t berculosis reported by arious bacrvers, 8 involved th uterus. In 4,470 collected utopsies on women, some x3 had tuberculous of the t bes, while in antopases on 1 6 t bercular women, 14 t bal cases were found. I 8 a collected cases of salplagitis so were tuberculous. Of 104 cases of t berculous lations in the centals 77 showed involvement of the DYSITY ther reports four cases f his wn. He

calls attentio t the fact that abortions, gonorrhora, and other inflammations, as well as all injuries or contusions and general run-down or americ conditions may be predisposing factors in the right and dev lopment f genital and peritoneal tuber culoris. C. H. D va.

Finding Management of Genital Tuberculous In Women. Med. Hereid, 4 3, xxxll, 2 By Surg. Gymer. & Obst.

The author reviews the subject and draw the following conclusions

Genital tuberculosis, in women, is rarely a direct cause of death. The fatal issue is usually determined by the primary focus I the lung or bowel.

. In fully half the cases there is no urgent indication to operative interference.

3. As genital tuberculosis is rarely primary the symptoms due to the primary lesion must be dis-criminated from those due to the lesion in the genital organd

4. The symptoms referred to the genital organs will usually yield to pulliative measures.

5. A radical operation is rarely justified for relief from symptoms caused by genital tuberculosis.

6. There is danger in operative interference from the awakening of a istent primary focus, from the high primary mortality in these cases, and from the unnecessary sacrifice of organs, insam ch as spontaneous bealing is a possibility as in tuberculosis chewbere in the body

, In tuberculous peritonitis, the cause of death. in 60 per cent of cases, is chargeable t the primary forms.

 In operating tuberculous parit nitis it is well to remove the tobes when infected in order to cut off the source of supply to the peritoneum, o. The utmost conservation should be exercised

in dealing with the ovaries and uterus in young women. o. The emdative type it uberenious pentonitia is

alone favorable to operation. Do not operate in the presence of fever or an active primary focus in the body

In the absence of severe symptoms directly referred t the lesion in the genitalia or peritoneum operative measures abould give way to the must hygienic measures, at least for an extended trial C. H D vas.

Theilhaber The Infl. ence of the Climacteric on Cancer (Der Einfres des Khonkterkoms of die Carrinous) Desirals Gesellack f Gyells. Halle, o 3. May

By Zentralbl. f. d. gos. Gynaik. s. Gebertak. d. Grenngeb.

The connective tissue of the foctus contains a large umber of cells, and as the individual grows older they becom fewer in number. An exception occurs during pregnancy when the number of cells in the connective tracue of the genital organs rapidly Increases. A very rapid decrease in the number of connective these cells occurs during the climacteric. The quantity of blood present in the genitalia shows a similar behavior and it steadily decreases, at least after the soth year An exception also exists during pregnancy and labor when the amount of blood increases markedly while it decreases rapidly during the climacteric.

The disposition to cancer is in inverse ratio to the richness of the connective tissue in cells and blood. kouthful age is almost immune from cancer of the genitaba it very rarely develops during pregnancy and the poerperium while its occurrence is exceedingly frequent during the climacteric. The explana tion of this is to be sought in a disturbance of the equilibrium between the epithelial and connective tissue cells caused by the few connective tissue cells in contact with the corresponding epithelium for the connective tissue cell is the obstacle against the dvancing epithelial cell. The latter penetrate especially easily if such processes as extensive sea formation and chronic inflammations, causing a decrease of cells and blood in the connective times. already exist. The beginning invasion of the epithelium into the connective there is frequently rendered harmless by the reactive hypersemia and round-cell infaltration which immediately sets in This reactive hypersemia does not obtain its purpose if a restitute of sategram is impossible on account of the marked anemia of the tissue with a resulting scarty round-cell infiltration (old inflammatory processes or extensive scar formations) or if causes of a general nature render the formation of round-cells difficult (extensive atheroma, atrophic degenerations in places where round cells are formed as the spicen lymph nodes, etc.) These considerations should teach us to prevent recurrences after operations for cancer by increasing the strength of the entire body and by producing a hyperemia of the scar by dry cupping, manage disthermy injectious of aterine extracts, etc. In the treatment of cancer also all those methods high excite hypersense and roundred infiltration as raying by the \-rays or radium cholin, terine extracts toxines, etc. re rational.

Hauser Multipl Primary Cancers of the Female Gestini Organs (Multiple printer Cardinose des webliches Gestinispparates) Arch / G selt 3.

By Zentrafil I d res Gratt Gebartsh d Greatpeb. 11 hiple primary tumors of the graftel organs occu er her in the different organs of the genital ystem (the breast and thyroid gland also belong to this system) or only I the sterus. In the latter organ they may be separated from each other or not.
If stering and ovarian cancers occur at the same time it is often very difficult t decide whether they depend on each other or a bether the ovarian tumors are not metastases of other primary growths. I adenocearers of the term and squamous adcylindrical cell cancers of the corpus occurring at the same time the question arries kether two primary cancers to concerned or only one ith a met plana of the crithchem the other Although squamon epithellum has been repeatedly found in the teru the I tter explanation is the more probable our. It is only in the rarest cases that - may suppose that

metaplana preceded the formation of cancer Only 3 cancer 1 the uterus of Hauser here destroy cancers 1 the uterus of Hauser here destrets to aid fourth one T the 6 cares of methylic primary cancer in the different ground organs collected by Lubarnech, two probable cases can be added, od also case of his own. The gathor's cases are as follows:

 A ultipara whose menopanse occurred 5 years ago suffered for the last 0 months from bloody discharge with ancites. Bilateral ovaria tumors with peritonnal metastases od large uterus were found

at operation. The left overy revealed a solid medial lary cancer the right overy pseudossucinous cyst, while in the uterus was an adenocarcinoms, and is the right tube metastases of the overlan cancer. There was no evidence that the ovarian tumor was metastatic, the histologic coentraction also being against this. A multipara, 4 years old and at the end of pregnancy had had irregular hemorrhages for the last year. Cervical cancer was made out and Casarran section with radical extirpation was performed. A sloughing cancer was found in the posterior kp, the largest portion of which was squamous criled with epithelial pearls. The smaller portion of the cancer which was found in the cervical canal was an adenocarcinoma. The cells resembled medium sized cylindrical epithelium and had borders and areas which were muclearmin positive. Both portions were intinat ly connected the each other without a v distinct line of demarkation.

LIDE DATE

Goldatein A Case of Acromegaly Fattoring Castration in an Adult Worms (Lin Fat eas Acromegalle and Kastralion bet clost crassiness Fr.) Manden and Taloccir 19 1 1c. 757 By Zeotrabh 1 d. pra Oyakk a Gebrath. A Genarch

The patient 33 years old, who as a girl showed a tendency toward gignatism, was subjected t a man bysterectomy for myomatom sterns. largement of the hands and feet, thickening of the syromatic exton and protrusio of the eyebrors was noticed the following year in short, an acrosseg aly developed due to an increase in the hypophy scal secretion without recognizable enhancement of the gland from the back of the neutralising ovarian secretion, the organism became flooded with the accumulated hypophysical secretion. The glandular apparatus governing the growth of the omeous system as not normal in this pursent as it abown by the tendency t gigantism hen gul, and the roorly balanced organism as thrown entirely out by the exclusion of part of the secreting pparatos. As the absence of the epiphyses prevented an increase in the length of the bone thick Actor 2 enlag resolted.

Franz M thods of Physical Treatment in Gynocology (Dee physicalischen Schandingsmithodes of der Gyndkologie) Zeltzie f des welder g. r. i By Zastrabi f d. ger Gyndk Gebortuk d Greogrè

By Zissenthi I d. jan Gyata. Cebartia d Grossph-Physical treatment as do catel for seculty conblored. Bith dynamocorbox due it Lustly devidennear development of the periodic and for seculty hadic caused by hyperturbor on the civility of the first Apostol a surboid for less to fifteen manufes arrecommended because they effect as improvement of the misculture and of the misculture of the process of the Lescorthors and knock (inflammatics after passing diductal it most arrectable first process of the prodifferent income are considerably inflamented by this therapy parametritis, bowever is not much bene fited. Periproctitic exudates with scar tissue forms tio are similarly benefited.

Tuberculous diseases of the adnexa are maccessible to physical treatment, and operation is the proper procedure. Gonorrhoral inflammations are very favorably influenced by massage and heat here one hand massages outside, while the other one rests motioniess in the vagina. The various methods of manage and of heat are discussed. One hundred and ninety cases of genital diseases which Franz treated were favorably influenced by his methods, while in 5.3 per cent there was no effect. Y ray treatment is advocated for myomatous and climac teric hemorrhages. Improvement was observed in 50 out of 11 cases f myomata, or 83 per cent. he treatment is contra-indicated in ped nonlated myomats which are partly expelled from the vagina when gangrene or carcinomatous degeneration are suspected in myomata a th acut incarceration f the bladder and in women less tha 4 years old MOLLER

Waither Synthetic Hydrastinin Bayer a Substitute for Firid Extract Hydrastic Canadensis (Synthetisches Hydrastinio-Bayer, ein Ersetz für Extr. Hydraeth canademia finidum). Machen and. Webender, 9 3 ls. 694. By Zentralbi, f d ges Gynak a. Gebartah d Grenzgeb.

This synthetic preparatio f hydrastis is made from hehotropun The writer has used it t advan tage in menorrhages the exult of duturbed function of the overies and chronic diseases of the adness. dysmenorrhors with menorrhagia, displacement of the uterus, secondary hemorrhage the result of heart disease or hepatic disturbances, and in cases of myomatosis uteri. It is an excellent preparation i the after treatment f curettage Dosage drops, tw t three times daily in cases of menor rhama o- 5 drops, two to three times daily as prophylaxis, and after creentio of harmorrhage as well as in the cases of curettage. S bentaneous I jection of 75 (= 7 drops of the inquor) had the same therapeuti effect. PREUTO.

Klots X Ray Treatment in Gynacology (Strahlestherapie in der Gynakologie) Deutsche Gesellick f Gynak, Halle, prg. May By Zentralbi. i.d. gen. Gynak Geburtah. d. Grungeb.

The author considers the fact that cancers can only be infinenced by the \rays ben enormous doses are applied. The deep penetrating rays are necessary 1 examining the tumors after treat ment it is seen that the t mor cells in the center of

the growth are frequently not reached by the rava. According to the experiments of Neuberg and Kaspari n animals there are certain substances which possess an affinity for heavy metals. It is also known that these substances cannot act unless they come in contact with each individual cell of the tumor which is impossible if the substances are injected subcutaneously or into the tumor itself Therefore they must be applied directly into the blood stream from which each cell derives its utriment. He dvises on that account the simultaneous infection of these substances with the X ray treatment to attack the tumor from two sides. The author has lately begun this treatment at the Lublinger Gynecological Chinic, using silver substances, especially collargol intravenously with medium sired doses of X-rays and in addition radium bromkle. Experiments with other metals (selemma and copper) are in progress. No results can be published, as the time of its employment is still too short. The author however advises th combined treatment in all cases of inoperable cacinoma of the uterus.

Frankl Technique of X ray Treatment in Gynecology (Zur Technik der Rönigen-Gynlatrie) Gynla Rundschan, 0,3 vill, 247 By Zentralbi f. d. gw. Gynla n. Gebortsh a. d. Grenneth

The method f \ ray treatment employed at the

Schauta clinic in Vienna follows that of the Freiburg school multiple areas of application, cross-firing filtration and about focal distance. The instru mentarium made according to the author a design is as follows For abdominal polication compression of the abdominal wall with taut-drawn towel, over this a lead-tubber binder with marks designating the naves and the midline o this binder are outlined 4 synaces of three cm. each. is policed to each field. Its lower end fits into funnel-shaped t be protector the size of its lower opening corresponding to the size of the field ad is adjusted t a or cm. focal distance from the skin. An aluminum filter can be inserted into the lower end of th funnel. For vaginal application of the rays th autho uses a lead-glass speculum with an The aluminum ring fits firmly int alumnum ring

bole in an djustable stand. The hole in the stand is surrounded by four flexible pieces of leadrubber to act as a covering for the valva and thighs. The focusing of the tube in front of the hose is very simple, and a filter can be placed in front of it if desired. The author sees great advantage in rhythmic interruption. Tubes employed are the Radkologie ad the Zentralrohre MORGER

OBSTETRICS

PREGNANCY AND ITS COMPLICATIONS

Peterson A Case of Full Term Ectopic Gestation with Dead Fortus Retal ed in the Abdeminal Cavity for Eight Months. Physician's Sury KILLA LOS By Saty, Groec, & Obst.

The author reports a case which he operated eight months after term. Most of the placents was removed, but the patient developed peritonitis and died. The ther believes that the placents should be removed whenever possible even it to accomplish this, prelimmary ligation of the large arteries or even compression I the sorts be necessary. When the placents cannot be removed, the best results have followed the stitching I the sac t the abdominal wall and protecting it and the placents from the peritoneal cavity by gauge packing C H Davis.

Nongabe et A Case of Pregamor Fire Yours after Piccoll Operation for Interperts In-version of the Unetto (Ober des Geburs 1 Jahre nack vermagegagener Peralippration worm poer perales Uterus Inversion). Zentralii. f Gynth., 9th.

Exerti, 520.

Dy Zentralik I d. ges Gyesek a. Geberrik a. d. Grenomb. The author reports the case of nineteen-west-old woman suffering from an inversion of the uterus of three months' standing following spontaneous delivery A cure was effected by means of a total posterio hystorotomy by the Piccoli m thad. Five years later sh was spontaneously delivered of full term child. The expressed placents was blinbed, a condition which the author arrunes t have some connection with the operation, in so far as the placents was altusted on the posterior sterios wall and the connective tissue holden between the two parts corresponded t the aterine scar which the villi were unable to penetrate. On the strength of this becrystion, the author suggests that in repeated Creatrean sections the sit of the placeata should be determined and, if over the old scar at should be examined for the described abnormality There are ten cases of pregnancy reported after an operative re-inversion of the uterus. The uthor concurs with Manufeld in the opinion that inver sion is due t tony of the uterus and hypophesia of the supraregal system.

Eransopolsky A Case of Full Term Extra uterine Programmy with Using Child (Ele Fall you Amgelragener Extrastermerayidatet mit Lebendiere Russ Montacie f Galeria Indi) By Ecological d. d. pos. Cynak

Gebertah d. Gressmeh. A primipara 1 years old had been married 18 years and had always been well. The messes cresed

after August, 1904. From the third month on the suffered from abdominal pains. There was a discharge of amniotic field t the fifth month according to the statements of a midwife. Fortal movements were first noted at either the sixth or the acrests At that time the pains became more severs and vomiting supervened. In October oos a physician was consulted, who made the examina tion under assesthesis became of the pain. The outlines of the uteres were not visible, but the small parts of the fortus were felt directly underneath the abdominal walls. The heart sounds were heard above the umbilious. Amnlock fluid with result caseom flowed from the cervix. The internal or was dilated and the term found empty. It was enlarged, however corresponding in size to the third month of pregnancy. Upon opening the abdomen, the amniotic see with a slight amount of finid by above the intentines and in it was found partially asphysiated, full term fortus. The gestation sac represented the subtract tabe wall from which the placenta was detached. The status was permeated with dense knots, hence was removed by supra varioul amoutation. The mother's recovery was unevential, but the child died filteen hours later The placesta weighed 553 gm. The membranes were torn at the uterine tubal on which explains the discharge of amniotic fluid from the curvix. Concessor and

Hellinder: Full Term Prognancy in sory Tube of Bicornate Uterus (Oconcan & terms développée dans une come accomoire d'un utiens bicome) Arch were finish it do grati 911 L 101 By Journal de Chrurge.

The pregnancy was the result of a peritoneal migration of the ovum and sperms, since the tampe uniting the normal tube to the accessory tube had so lumen and the corpus luteum was in the overy on the opposite ads. The normal tabe #4 longer than usual, almost certainly because of gratational hypertrophy. The forms had been dead for more than two months. There had been so casting off of placents. The pains from which the patient saffered were probably due to the presence of adhesions with the appendix and the omentum. The differential diagnous between intra-uterme pregnancy intra-figuractions prognancy and prognancy in an accessory tube of bicornate utwo was based upon the palpatio of normal aterus. of right round ligament which was attached to the superior lateral portion of the tumor, and by the pulpation of the wall and the form of the tumor and by the observation of uterior contraction.

L. Carry area.

Stefart: Interatitial Pregnancy (Intentitielle Gravidish) Zentelli f Gyelk., 9 3 xxxvi, 275. By Zentulbi L d. ges. Gyask. u. Geburtsk. a d. Granaph.

The author found forty cases in the literature of the extremely are condition known as interesticial pregnancy. The conditions a finder the understand, since there is no sharp boundary between the uterus and tube. Thus pregnancies on the called interesticial only when the ovum is imbedded in that part of the tube which is within the uternor will. This portion is only one centimeter long and by the growth of the own mild boundaries are ensued. French suthors differentiate an utero-tubal and a tubo-uterile preparacy

The other diagnosticates an interestical pregmancy by its relation to the round ligament. When the round ligament is lateral to the ovum an inter-

stitial pregnancy is present.

The author reaches the following conclusions () Inflammations of the adners comprise the chief teleological factor in ectoric gentation. (a) The case should be operated on as early as possible because the patient may bleed it death from even the smallest perforation. (c) The diagnosis is difficult to make, on ecount of the few physical facilities and the smallest perforation. (c) The diagnosis is difficult to make, on ecount of the few physical facilities and the state of the smallest performance of the control of the state of the state of the smallest performance of the state of the interestical type has ever been seen after the such month (c) to vigital operation is undersit other cases. If we shall be such as the cases of the state of the interestical type has ever been seen after the such month (d). Vagital operation is undersit other cases. If we shall be such as the case of the state
Gall Pitugiandol in the T seament of Piscenta Previa (Purgiandol in der Beissellung der Piscenta previa). Zentell f Gyast 213 Exerti, 314 By Zentralid Ltd. ps. Gyask. 4. Geburuh. d Grennych.

t-all recommends in cases of piscents previa lateralls rupture of the amniotic sa and the injection of ce of pituglandol. In placenta previa centralis he performs version, if the cervical dilatation permits, otherwise he introd ces the metre urymer int the amnioti sac and immediately injects cc. f pitugiandol. As soon as the metre trypiter is expelled, be performs version and gain administers cc. of pituglandol. The expulsion of the fortus in either instance is left to the labor pains which are increased by the drug. Nine cases, one of lateral and eight of central haplantation, were treated according t these principles and six living children were delivered. In the other three cases, the fortal heart beats could not be elicited when the patient entered the bosnital. One anaemic multipara died after version and extraction.

Benthin. Carbohydrate Metabolism in Fregnan cy and in Edmanysia. Few Words Concerning. Insufficiency of the Li er (liber den Kohlersdrakentweisels in der Garanditat und bei der Edlanpsie; en Beltzig zur Frags der Liberhamtlissen). By Zestrahl, I de Gestrik. a. Gyakl., 9 3, xxxvfl. 305. By Zestrahl, I d. gen. Gyakt. n. Gebuttis. a. d Genzagok.

The following conclusions may be drawn from the author' observations Disturbances in carbohydrate metabolism in pregnancy are only slight as a rule. With regard to alterations in carbohydrate metabolism some influence must be attributed to the glands of internal secretion, as these produce a temporary disturbance of the physiological equilibrium. Of the toxemias of pregnancy eclampsia alone above any considerable deviation from the normal and manifests itself in the rapid increase of sugar in the blood, which is essentially conditioned by cramps. A material injury of the function of the liver is not t be assumed. Nevertheless, it should not be forgotten that functional disturbances of the liver in most cases do not manifest themselves until marked degeneration has set in. The absence of any differences whatever during pregnancy especially in those cases which are examined before the manifestation of eclampsia, therefore removes all grounds for assuming that functional disturbances f the liver are to be considered as an etiological factor in the development of eclampsia, so far as disturbances in metabolism of sugar come into question. The literature on the subject is discussed in detall

Chirié Researches on Paerperal Eclampeia (Recharches sur l'éclampeie poerpérale) Réliepsie,

By Zenirahl f d ges. Gynak n. Geburtsh a d. Granageb.

The author reports on experimental investiga

these and describes the action of increased blood pressure in the kilony induced will be true. Experiments consider the kilony induced will be trained. Experiments conducted on its still be trained. Experiments conducted on its still be trained to the provision of the control of the circulation induces the circulation in the circulati

DVOLUMENT.

Zinaser The Toxicity of Urine during the Peerperium and in Eckampsis (Der die Toxicitit des semethiches Harner im perpenier Zestand und bei Ethampse). Zestralk f Gratis, 9 3. xxxvi, 25

By Zentrafiel I d per Gyalk, u. Geburtak, a. d. Grenzgeb,

Picifier's experiments prove that the poisons in tordicals, the result of allumen decomposition, are exercised by the kidney. Typical clinical pictures are produced by injecting such taxins into guinea

Franz found the uriac of healthy pregnant women to have no greater toxicity than that of ordinary urine. If also found that the t xicity increases during labor that the urine during purpersum is somes hat more I sie than it is during normal pergmency but hes touch than unbe during labor. The urlne of women with eclampala is extremely it die. This is true in those cause in which there is no damget it kild eyas ellas those; which the kidney is affected. By determining the exact teaust of the urlne the uthor endeavors i far prognous a no exact batas and to control therapeutle procedures

The conflicting results I I rang and Each led the a thor t repeat some of the experiments. Intra peritoneal and fatra venous injections. I urine of pregnant women, other is labor and in puerperlum gave no clew to the presence of lirumin decomposition (t zicosis) and his results agree with those of Each. The results of intra venous injections of urine from eclamptic omen are () it was impossi-He t kin mmal by intra venous injections of eclamptic wrine () t as not possible t get a clusical picture of the effect I such injections (s) the decrease in t imperature had no direct relationship t the clinical progress of the disease. There as no characteristic type of temperature and the degree of damage done t the kidney had no direct bearing (a) In no instance was a possible to get a clow t the presence of decomposed lbamin.

Zappi Consideration of the Treatment of Abortion (Consideration and textusiwate dell abort) Clis serve 9 1 2v, 30 By Zentralbi, f d gr. Gyatt Geografia d Georgeb

On the basis of 44 ranes from his practice the thor adheres t the following principles () In threatening spontaneous abortson t biel ex pectancy () I post vely criminal cases or rach but the uspecion of rumnal interference exists. immediat interference (a) I spontaneous bor tion in progress under favorable conditions (integrity of the product and good ascress) tchial es pectancy (4) I opposit conditions, immediat interference II ad uses instrumental curetiment and states its advantages over the digital method Il concludes that his views will not be accepted by obstetriciam orking under ideal conditions clinics and mentions the difficulties encount red general practic such as lack of trained assist are unfavorable conditions, lack of intelligence on the part of patients, especially among the laboring lass. one being compelled t proceed actively t shorten L. RRID the period of distributy

Transport End Result of th Conservative Transport of Streptococcus Abortlan (Endreshild der konservatives Behandlang des Streptokokken-Aborts) Destade Gestlick f. Gyant (Editor)

Hillie, e. 3. May Py, Zorthild V gra Gynik. Geberth d Greengeb Py, Zorthild V gra Gynik. Geberth d the uterior both of all the cases I botton, has above the correctness of placing the undications for treatment on bacteriological enumentions according t the proposition previously must by the author. All of the discipally treated cases of abortion, for which m kind

of batteria were found present in the terins section, are divided into two groups. I Abortion with obligatory suprophytics (resorption lever haddens to the conductive) which were always empiried by the hand without the use of instruments (a) cases recovered without any almoral influentation, cases recovered without any almoral influentation, cases recovered with the conductive of the superplococit and satterpose over with brench the study broaded the morbidity as compared ith active treatment, or for the superplococit and the mortality from a per cent to a per cent and the mortality from a per cent to a per cent. The indications beaution to the hardens of th

M Infkoff nel Zornaklon Pregnancy During Lenciemia and its Inflance on the Compocition of the Blood (Schwarzenskift for Lei linic and deres Endew and the Biscressamousetram) Rant I rack, p. i. il. nop. By Zeninhi I d. prs. Cyalls. Ochurisi. d. Grasaph.

The patient as 33 years old and suffered from leacernia since 903 hich markedly improved after \-raying ad internal treatment I fameury of the raying as interrupted on account of nephrhis and severe \-ray burns. Pregnancy occurred in May o , ad the patient was spontaneously delivered ! bving child in l'ebruary 1912. The gracial condition of the patient became worse on the oth day of the promperhant. Rise in temperature, loss of eight and enlargement of and rule in the spilers appeared. The patient was treated with radram, ron and reenic. An improvement took radius, roo and reme an improvement was place the end of April, 9. The results of the blood examination, since the beginning of the disease cre tabulated. The hemospholi pertent age decreased from 65 t as per cent before the occurrence of pregnancy and t 45 per cent of ring. pregnancy. The number of red blood corposcles 10 from 3 \$64,000 or 4,000,000 to ,500,000 or 1,000,000, hile the learner ten rose from 10,000-6.000 t on occ- spaces. The differential count was 70 per cent t 75 per cent polygociest seu trophBes, per ent to 4 per cent myclocytes and large monomelear cells th homogeneous protoplasm During labor the hemoglobin percentage grew t 55 per cent lth 1,200,000 red blood cor pescles, the whites t 7,000, chiefly neutrophiles, widle the number of composities and basophiles decreased. D may the purrperlum the atemoglobin percentage rapidly sank from 55 per cent to per ent and the number of red blood corpuscies from g 200 000 to ,Soo,coo. At the same time politiccytes, polychromatophiles, offgochromemia and nucleated red blood corpuscies appeared. With Improvement in the general stat of health occurring during April, o the harmoglobin percentage increased t 45 per cent, the manber of reds to \$,500. oco, the number of all blood corpuscies was 93too. The increase in the lengance character of the

blood during pregnancy was titth ted by the author first to the tendency of the leucemac blood to apruling above its former composition after the interruption of the V-ray treatment and set not to the compelication with pregnancy. A section through the entire thickness of the placents above a microscopic examination a charact risture printer. The blood in the vessels of the choronic with (fortal blood) shows a normal behavior. The blood is the intervillous spaces (maternal blood) in typically knowning.

Albert A Case of Severe Parulent Endom tritis in Pregnancy (Schwere erings Endometritis in der Schwaggrischaft) Dewische Gesellick f. Gyndb. Halle, 2. Mar.

Dy Zentralbi, i. d. gea Gynak. Geborish d Grenageh.
Albert reports another case f severe puralent

Abert reports another case i severe purcher concentral to pregnancy. A multipura, delivered sportsaccoully within three for bours, was sed delivered source and the clamptic that syrgen ma and died fire bour after delivery. At the autory, the liver soon et typical eclamptic changes and the kilderys perphritis therwise on import thanges. The sprints were removed, into the and unmodulately sprints were removed in tot and unmodulately

ocuparius increme ou import t naces libe emitials acre removed; into t and unmediately placed in formain and later sectioned. The mecropy examinate above die of important datus of the decidia with mercoul gram-positive endopoored. The diagnosis was supportative endopoored for being particulated probably the cause of the might and edication in correct complet recommend if this observation is correct complet recommendately more description of some bortices of premature labors and of many clean of purposal lever.

Brondersms Treatment of Pyelitis in th Pred na t (De behandeling van Pyelitis by Zwangeren) Melot I Polick General 9 3 1, 520 By Zentralbi I d. ps. Gyeski, n. Gebertila a d Grennpel.

Two cases if pyelitis during pregnancy are re-corted. The first one recovered after the daily use for 4 days of renal pelves irrigations with a 3 per ent boric acid solution and per cent where altrast solution. The second one had t be treated by permanent theterization. The labora were normal both cases mothers and children temaining well. Bro gersma arrives t the conchusion that in milder cases of nephritis complicated with pregnancy internal and dietetic treatment with lateral positio on the healthy side d in the graver cases renal pelvis regution eventually co tinuous catheterization, are indicated. Ho ever nephrostomy ad premature induction i labor re t be condemned. STRATE.

Green Cholecyatitia d Cholelithiasis Assoclated with Pregnancy Reses if & S J q 3, drvis, 679. By Sorg Gyace, & Obst.

The thor reports two cases and concludes that there seems t be definit causal association f

cholecystitis and choleithiasis with pregnancy Symptoms d e to either of these conditions may occur during preparancy during prespective following labor at term or after miscarriage. The existence of gail bidded classes is not in itself a cause funkcarriage, but miscarriage may induce the development of active symptoms from a process previously latent. Cholecystitis or choleithiasis should receive the same surposal treatment and bear the same proproofs as in cases not associated with pergnancy. C. II. Davis

Vogt Addison Disease and Pregnancy (Morbos Addisoni and Schwangerschaft) Deutsche Geselleck. f Gyndk, Halle, g 1, May

f Gyndk, Halle, o 1, May By Zentralbl. f. d. ges. Gynak, u. Geburtah, s. d. Grenngab Chrically Addison a disease is difficultly diagnosed. Only two cases of Addison a disease and pregnancy which were confirmed by post mortem examination have been reported in literature, one by Barlow and one by logt. The course of pregnancy was undisturbed and the adrenal disease did not grow worse. Labor was spontaneous and uncomplicated. Women enfirting from Addison's disease are exposed to greater danger during early puerperium than during pregnancy and labor The course of the disease in the pumpertum is similar to that of secondary and peralcious anamia and in some cases of tuberculosis during pregnancy. It has not yet been decided whether death is due t insufficiency of the adrenal system or to t berculosis of the adrenal gia ds. The extreme of tridion disease does not give an indication for an interruption of pregnancy as pregnancy does not cause an advance of the disease. Our endeaver should be to save the child which may develop perfectly, as the prognosis for the mother is bad under all circumstances.

Bern Prejaminy Labor and Poerperum in Case of Literature Unitaried Tellandpictuses and Variers Permation with Lymphacis Elephantials (Gewanghad), Gebert und Wochchiest bet ungehöuter kalbeitüger Teleangick treis und Variembidings als Jymphangistatischer Elephantinai) Bot. Lin Wickark 9, 3, 4, 770.
by Zennald, 4. der. Gyalta, o Cobertala, a Gernageh.

The author reports the case of a primipara aged t enty-three, giving a detailed description of the changes on the body and showing a picture of the limb He also renders a complete account of the pregnancy labor and puerperlum. During the puerperium the skin changes did not improve materially Prophylaria against thrombas forms tion is important in this stage (elevation of the affected limb, immediate movement and stimula tion of the circulation, early rising and walking of the patient) He gives a complete review of the literature. In all published cases the abnormality dates back t birth and is aggravated during puberty and after trauma. The etiology is entirely un known, but an involvement of the nervous system is probably present. ERESTACE

Meshscher Thyreid and Pregnancy (Kloisch experimentalis Reinigs sur Frage Thyroidis and Schwangenchaft) Dentels Gentleit f Gynti Halle 9 3 May By Sur Gyner, & Obst.

Pregnant azimala abort hen fed thwold. Thyreoglandol causes uterus contractions in rabbits. When this reaction fails it can be brought out by previously giving adrenalin. Adrenalin activity is enhanced by doses of thyrold. Labor pains can be increased and strengthened by thyreoglandol which is combined with adrenalin and gives similar results to pitultrin. Iodine in organic combinations can be demonstrated in eclamptic blood. Observa. tions on large umber of saimals deprived of thy roid lead Mosbacher to conclude that reproduction is not disturbed by loss of thyroids and parathyroids. If the animal is otherwise healthy I R MILLER

Graff Thyroid and Pregnancy (Schliddress and Gestation) Dewische Gesellich f Grakk Halle, 9 3. May By Surg Gymec, & Obst.

Six hundred and fifty-four cases in the second half of pregnancy were examined. Enlargements of the thyroid were noted in three hundred and nineteen or so per cent only twenty-one said the enlargement began in pregnancy twenty four said the tumor had been smaller and had increased more or less during pregnancy Vienness women had enlarge ment in only 44 per cent of the cases. Five hundred non-pregnant women showed an enlargement of the thyroid t the extent of 40 per cent hence pregnancy would count for only 9 per cent of the enlarged thyroids. During labor 35 per cent of the cases measured showed an increase in the neck circumference, of hom to per cent had no enlarged thyroid. Such enlargements recede in few hours. but in few cases there as no decrease, fact noted by many women-

Sponianeous glyconata a found la 33.8 pt per cent of fire hundred poeperal women. 3 pt per cent with stream, 5 per cent without A lowested tolerance for sillneament glyconata was noted in 35 per cent as against 14, per cent of the case with atruma who had no stream. The cent is a sillness of the cent with the cent with the cent with the cent with the cent is the cent in the cent is the cent in the cent in the cent is the cent in the cent in the cent is the cent in the c

Ovary tablets had no action no the strems. In one hondred cases in the postellimeterdum, t only noted enlargement of the thyroid in the dimeterium. I one kundred and twelve myons, cases the thyroid as enlarged less frequently than nor mally contrary? Freuch.

J. R. Miller.

Aschner Changes in the Pinesi Glande f Pret nancy (Schwangerschaftsvertadersegen der Zebeldraw) Dextsche Geschaft, Gyath, Halle, p. g. Ma By Surg., Gyac. & Obst.

Guinea page, rabbits, dogs and rats were examined i pregnancy after castration and in the normal state. In cats the virginal gland is conical shaped whereas in prepancy it is plemper and bender. After castration strophy takes place. One preparate, the animal never regulas the typical cases shaped giand. Histological changes ere see the state of the preparate of the preparate of the preparate of the pixel when the preparate of preparate of the pixel giands described by Mathure and fitted pixel. Histological preparate of the pixel giands described by Mathure and Frankl-Hockwart.

J. R. Minus, P. M. Mathure and Frankl-Hockwart.

Seitz Disturbunces of Menbolism in Pregnancy Labor and the Pursperlam (Dis Storages der Inneren Seitretion in Bern Bendeungen zu Schwageschaft, Gebert und Wochschatt). Desirale Geselbat / Gyest, Halle, 19 3, May By Surg. Gyanck Obst.

() Proteid. The thyroid chromatin system, hypophyms and ovary increase, and the nuncreas and parathyroid decrease, proteid metabolism. In the second half of pregnancy there is retention of proteid. In the puerperium there is at first loss, then a retention occurs. Less ures as excreted in pregnancy but the ammonia, creatin, amino acids and polypeptide are increased. A liver insufficiency has not been proven but is possible. Serentactic acid is secondarily increased in eclampsia. Placenta of the same species may capes anaphalaxis in the mother (creal arrays, bowever does not. Not only the molecula repend components, but diamino cris and amines, cause anaphalaris, the former more generall a use and paralyzing in its effect the latter causing spastic symptoms. Clinically there are two types of symptoms, the generally teste and the spastic. A present it is impossible to separat disturbunces in protest metabolism into two groups, samphalaris and internal secretory disorders. The antitryptic ferment in the blood is increased in pregnancy not specifically however. Abderhalden's reaction is not absolutely specific and must be further tested in the clinic.

(b) Carbobydrate. The thyroid hypophysis and chromaffin system increase the sugar metabolism the pasteress and probably the overy and para thyroid tend to check it. A light transitory givesurfa occurs in about per cent of the preguncies. A lasting glycosuria is care. In pregnancy sugar appears more frequently in the utine after the ingestion of co- 50 gm. of grape sugar. Subcutaneous a jections of adrenalis do not cause glycosuria more often in pregnancy Levulosesria tents abow only a slight decrease in the hver function. The sugar content of the blood is not microssed in pregnancy but is in labor A carbohydrate disturbances ppear in eclampais. Diabetes mailton influences menstruction in various ys only 5 per cent of cases become pregnant. Diabetes cases are often made worse by pregnancy probably due t the affection of the internal secretions 50 per cent of the cases die in come, and about 50 per cent of the children die in tero. Pregnancy should be interrupted in cases which become worse in spit

of treatment

(c) Fat Pregnant nomen cannot catabolize lat as well as normally nd retonuna occurs more frequently. A decrease in the lipolytic scrum fer ment has not been sho n I the last ux months of pregnancy there is hyperlipsemia both glycerl and cholesterin f t are increased. I the puer perium, cholesterin is excreted by the breasts. Functionating genital glands prear t decrease the cholesterm formation however it is not justifight to judge the function of the ovenes he the cholesterin. It ha not been shown dennitely that an increase in cholesterin in the blood favors the advance of tuberculous in pregnancy The increase of cholesterin in eclampsia must be orroborated The liquid body in the blood which causes the obra reaction is increased in pregnancy and also in cardnome, bees eclampeds and other conditions Obesity is due t ver-feeding latines and also t disturbances of the internal secret by glands especially the thyroid secretion. The removal f the genital glands predisposes t best. Obese persons, especially the endogenous tipe are often 's particular trouble is t be expected at labor

clear relation of (d) Mineral The proof of mineral metabolism t th int mal secretory glands is insufficient. There will some doubt that cal chum and phosphat met bolism is metrased or that calcium is increased in the blood. Removal of the parathyroid seems t reduce calcium metabolism The thyroid hypophysis, them and perhaps th parathyroid increase bone metabols m the ovaries decrease it. The adrenals ha no influence in this regard. A physiological osteomalacia i pregnancy his not been proven. I pregnancy calcium phosphorus and magnesium are retained. The body accomplishes this by better resorption lessened scretion and more economic met bolism The hypophysis probably under the influence of the forms, normally causes an increase in the bony development of the privis in pregnancy

RELATION TO PREG ANCY OF THE INDIVIDUAL IN TERNAL SECRETORY ROAMS, NORMALLY AND PATHOLOGICALLY

Thyroid of pregnancy. The thyroid increases in size in 65-00 pc cent of pregnancies, usually returning t normal in lat purpersive. This is do to 10 preprintly and hyperplasia of the secretory these. Fuberty and mensional enlargements are due to an overana borroom. Fregnancy hyper trophy of the thyroid is brought boot by placental obstances cantralion hypertrophy is complementary reaction. The thyreograft theory of calmptain is tenable proof as flewing lacking for its connection with hypermenss and poerperal psychoses.

Rasedow's disease and pregnancy Light forms of hyperthyreosis are common in women. Pay classification and chlorosis abould not be confused ith it. The thymra is often fietted t the same time preliatent thymra being serious complica

tion. The chromaffin system is altered i hyper thyrcoals. \ somotor and other sympathetic groups re more sensitive. Sympatheticotropic individuals are more affected than vagotropic the ovarian f action is usually not disturbed in Basedow's disease if at all it is reduced and these patients are more often sterile. 1 4 per cent of the hyper thyreosis cases no changes occur in pregnancy in 60 per cent of combined statistics the condition is made orac. Pregna cy is not t be reckoned as specifically injurious. Premature birth and abortion are seen more often than in non-pregnant women. Statistics gi 64 per cent mortality for pregnancy in hyperthyreods, heart injury persistent thymns and general int vication causing the deaths. Abortion wa performed in 4 per cent and premature labor Induced in 8 per cent. Atonic harmorrhage occurred in 7 per cent of the cases, caused by decreased coagulability of the blood Children are little endangered, but can inherit a neuropathic anlage.

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Coment 1 marry is to be withheld in bad cases.

I hight cases d lay should be street dill improvement
takes place. Fvery hyperthreesis must receive
goveral treatment. If the condition grows worse
strumercomy and not abortion is indicated.

Strema and personary. Strema is usually enlarged in pergancy only a lew bowers cause compersion yrapions. If this occurs arumentom, is inducated. If the child is viable the boles like bettern the compensor in the perganancy of the carenal monthly was per creat in 6 per creat personary was interrupted.

Parathypoid and personary. The marathypoid.

Parathryold and pregnancy The parathyrold seems to be connected with calcium metabolism. N morphological changes in the gland during pregnancy have been shown. In the last months and especially i labor the galvanic excitability of the nerves is increased, this indicating similar cha ges to those seen in tetany Patients with authma or parathesias in the extremities should be tested for galvanic excitability the condition may possibly be a latent tetany or parathyreot ricosis. be a latent tetany or parathyreot ricosis. The tetany of pregnancy is rare. Those reported i the last afteen years re almost all in pregnancy and not in lactation. This condition is probably para thyroid ensuficiency as these glands have increased work to do in pregnancy In tetany of pregnancy injuries of other internal secretory glands are found, and the disease is very severe especially attacking the respiratory muscles. The mortality is 7 per cent The therapy should be parathyroidin and calcium. When the respiration is seriously threat ened pregnancy should be interrupted although this often does not give results. Eclempsis is not dependent on these glands.

Thymes and premancy Peristence of the thymes may simulate Basedow's disease. The chief symptoms are heart disturbances and lymphocytosis. The overly exerts an antagonistic influence over the thymes. A peristent thymes is said; give smaller thymes.

amba.

in pregnancy. More attention should be paid to status lymphaticus.

Hypophysis and pregnancy The anterior lobe of the hypophysis regularly undergoes considerable hypertrophy in pregnancy, and is due to an enlarge ment and increase in the chief cells with their transformation int the so-called pregnancy cells. Resection of the whole gland in animals causes crosstion of genital growth and injury to the fully devel oned ovaries Further work is necessary to corroborate Aschner's work, that the hypophysis is absolutely necessary for the existence of pregnancy The increase of the antenor lobe probably assists in the growth of the petrie and perhaps of the pregnant uterus. Marked hypertrophy in pregnancy may lead to cerebral symptoms. Symptoms of cromer aly occasionally occur such as enlargement of the hands and feet and the typical acromegaly can begin in pregnancy (Marek) Acromegaly smally leads t amenorrhors and sterility but if pregnancy occurs it need not be interrupted. The posterior lobe has up to now shown no hypertrophy in pregnancy Pitulian from the posterior lobe increases the labor pains if already present. Pituitrin is chemically closely related to B imidatelylathyl-

Adrenal and pregnancy. The adrenal in preg-nancy undergoes hypertrophy in the fuscionlar and retirular parts of its cortex. The occurrence of vacuales and the increased pigment in the reticular cells means increased secretion. Changes in the cortex in toxemias of pregnancy need to be studied further. The cortex contains more cholesterin then normal indicating that it is the seat of the Bookismis. The medulia hypertrophies little if any. The adrenals are absolutely necessary for conception, pregnancy and labor pains. The proof of an increased amount of adrenatio in the blood in premapcy is insufficient. The pigmentation of pregnancy is probably connected with the increased adrenal function. I Addison disease, overlan function is disturbed and startisty is the rule. T besculosis is responsible for the serious effect of presentacy in Addrson's discust.

Overy and pregnancy The internal secretion of the overy protects the development of the lensie characteristics. The corper lateaut probably (Born Frinkel) starts menstruction, and prevents further ovalation it also is very important for the implants tion of the overs. One should examps cases of habstnal abortion for bregular corpus intenm growth. Its function lasts only during the first month of pregnancy later in pregnancy the intensil tial glands develop. They probably work synengeti cally with the corpus luteum, and, by analogy with the interstitial glands in the male, probably govern the sexual desire. Changes of the interstitial glands in pregnancy are stimulated by placental vilii. The pathological overgrowth of vilii in moles and chorioepithelioma bring about lutein cysts. Ovulation creases in programmy as rule. The relation of corpus luteum to hyperemests is unexplained.

Osteomalacia and internal secretion. Osteomalach shows thanges in muscle and serves as well as in the bones. Animals with calcium free diet do not present the real picture of an ostromalich. Calcium and phosphorus experiments have not given clear results. Castration curse 87 per cent and in the puerperlum of per cent improve. Defaits morphological changes in the overy have not been peoren. Clinically the discuse is due to a hyperfunc tion of the overy Disturbances of other glands of internal secretion free occur and predispose to ostromalacia. Honnicko's hyperthyrold theory is untenable. Outcomalacia has not been produced by resection of the adrenals, yet dremalin curse #4 per cent and improves 50 per cent of the cases. It identily the overy and chromatin system are anias onistic. The disease may be due t decreased chromaffin activity (Caristofoletti) The para thyroids show hyperplasts, and tetany often occurs together with outcomalacia Phosphorus treatment cures \$2-78 per cent. Exogenous factors play an suclogical role only

Manuscry Janois and pregnancy Growth of the branch is infraenced by a hormoon, the nerviriclet theory being mirrable. Puberty hypertrophy and the meantmal changes are generated by the infrarial secution of the orary. The hypertrophy of pregnancy can be strikening protoned by the infractions of study-updated times and of phcease. The highest produced times are of a phcease of the produced by the produced by the infrarial produced by the provided by the provent for the manning plant. Coolecterist between proved for the manning plant. Coolecterist of echangias to the manning internal secretion is not expensed by the produced of echangias to the manning internal secretion in the case and analogy with cattle paralysis is not to be accreated.

Harria. Th placeta is as organ of intends secretice producing (a) changes in other plans in pregnancy. (b) charic-epithelicans and moles is association with 1 tode cynt in owners, (c) charges in the breasts of pregnant women and in the breast and terms of the new-torn Further action by means of deported (fill causing ferment as amphantatic reaction, is now there are applicable reaction, is now there are applicable to the producing t

Erzies Hunrt Lesions in Pragnancy (Hardelet and Schwangerschaft) Dunicle Gorden's f Gyall Hulle, rang, klay by Surg Gyner, & Obst.

Among \$1,377 labors, pregnancy was interrupted of times for virtum codis, (6 times for sekri insufficiency and steenis, 3 times for discussed the secta and 7 times for sekry discussed the secta and 2 times for sexpondities with destination of the best and que of the serial set and count of the best and que of the units. If the symptoms do said disappear in two days of when broken compensation is forced in two days of when broken compensation is forced in the section of the serial section is one by preferred to the various of 1 km. Int. co., for the serial section is not be preferred to the various of 1 km. Int. co.

Aschner: Albuminuris in Pregnancy (Untersuch-2 1b die Schwangerschaftsabundumie) Deutsche Gesellsch f Gyndk Halle, 21 May By Surg Gynen & Obst.

Aschner examined, by means of Abderhalden a serum reaction, the urmary albumin of pregnancy sephritis and eciampeia. The eciampeia albumin is digested by pregnant scrum. Eclampsia serum does not digest the eclamptic albumin as well as the pregnancy albuminuria product corresponding thus with the placents reaction. Thus the albumin of pregnancy to usmias differs from that of ephriths. I R. MILLER

Balech Researches Concerning the fter Lif of Pregnancies Complicated by Heart and Kidney Leslons (Untersuchungen über das spätters und nierenkranker Schwangerer) Schicket bent Destroke Gesellsch f Gyndh Halle 223, Mey By Sorg Gynec & Obst

The uther examined so; heart and so kidney cases as well as 450 cases of pregnancy kidney occurring in the last a years among ,000 births. The kidney of pregnancy presents no complications. Nephritis of pregnancy occurred in so cases, per cent 37 per cent of these ere eclamptic. Only one of the complicated nephritis cases died, due to myocardial degeneration, 4 per cent went through normal pregnancies, per reat of the children were dead and the rest premature. Opers tive labor was necessary in 55 per cent and premature experation of the placenta often occurs. In so nephritic cases which were to trolled a died in the first year 6 out of 60 eclampels cases died and per cent remained invalids. In 13 cases of Bright disease, a died in the clinic and during the next year Interruption of pregnancy is indicated in chronic nephritis, but in soute nephritis viable hundred women with valvalar legions developed decompensation, one fourth of them serious 5 died during labor and 3 in the follo ing year Of the controlled cases to per cent were well, 45 per cent w re invalids and 5 per cent were dead and third of the children were prema ture. Five out of 9 cases f myocarditis died in labor and the following year Atomic hemorrhage occurred in 40 per cent of all hourt cases. Myo-

I & Minner.

Schlayer The Interruption of Pregnancy in Diseases of the Kidneys (Schwangerschaftsunter breckung bei Nieronarkrunkung) Doutsche Geralisch.

carditis or heart lesions complicated by nephritis are ladications to interrupt pregnancy

By Lentralis, It d. gas Cyntik z. Gabertali, a. d. Grosspels.

The differentiation of the kidney of pregnancy from genuine nephritis, according to the author is misleading, and in many cases impossible. He questions the advisability of making clinical entity of the former. He believes a better working have is obtained by differentiating the pephritides accord-

ing to their influence upon the organism, as valuable condizions may then be drawn as to when an interruption of pregnancy is justified.

Schlayer lays down the Indication for and against abortion and premature labor. H employs the simple method of observing the daily excretion of the kidney on a definite diet, by which definite conclusions in regard to the diseased kidney can be drawn. This method will also show that a seemingly harmless kidney of pregnancy in spite of the disappearance of albumen, has not recovered entirely but has only become latent. Balach's conclusions are identical with those of the author that kidney changes of pregnancy more frequently result in permanent kidney disease than heretofore supposed.

Pochs Bilateral Ovariotomy during Presnancy (Doppelsellige Ovariotomie in der Schwanger schaft) Honstschr f Geberick u. Gynth, p13,

marvii, cas.

By Zentralbi. (d. pra. Gynkk, n. Geburtah, s. d. Granageb. A multiparous patient whose last menses began Sept. soth was operated a Nov 7th for the removal of bilateral pseudo-muchous papillary cystadenoma. Pregnancy was uninterrupted three months after operation. The author advises the removal of both ovaries in all cases of papillary tumors during pregnancy even though one ovary appears perfectly healthy macroscopically unless the patient, to whom the matter has been thoroughly explained is decidedly against castration.

LABOR AND ITS COMPLICATIONS

Each How Many Full Term Children in Cephalic Presentation Pass the Inlet Spontaneously in Flat Fel se and are Born Alive (We vicie anspringers kinder pesseren beim phitten Becken in Schüdelinge apostan den Beckeneringung und kon-nen elsem ser Weil? Dendede Genellack f Grent, Hille, o. j. May By Zentribl. I d. gra. Oyutk. n. Ceburush. a. d. Grenzgeb.

The usual contrast between spontaneous hirths and those terminated by operation does not permit reliable conclusions to be drawn as regards the infinance of flat pelves. This contrast is also un setisfactory from a therapeutic standpoint, as the indications for operative interferences in cases of flat pairis, excluding found privis, are the same as in the normal pelvis. Hence Each those the normal cephalic presentation to answer the above question, the mechanical influence I flat prives bring the most favorable in this presentation. Only such cases of his own and of the literature were considered which were treated expectantly until danger to the child arose. In cases with a co jugata vers of 10 to 0.6 cm. 37 (96, per cent) children passed the inlet spontaneously in cases with a vers of 8.5 to 7.6 cm. 457 (74-7 per cent) children entered spon-taneously and in cases with vers of 7 5 to 6 5 cm.

only so (4.9 per cent) entered spontaneously

Each draws the conclusion that the curve thus obtained represents the results of caphalic presents

tions in flat prives most courately. If advises the use of the curve especially for teaching purposes.

Treub Breech Presentations in the Amsterdam Clinic for Women from 1903-1911 (De stubleglagen in de Amsterdameche Vrooncaklieft an po tot en met 9) Nobel I physic Verlest en Gymer Hustlens, 9 3 xxll. 3

By Zentralbi. f d gra. Gynlik u. Geburtale d Grenngels With regard t the opinion of 1 a der Hoeven. who rejects the external prophylactic ention in breech presentations, being in 1 or of watchful expectancy until extrusion of the secrum Treub has reviewed his material on this question. I the last review to maintenance of the question and the feet person out of \$3 hirls a 4 were breech, from which 53 t lies not one birth of triplets are subtracted. This gives a percentage of 3.7 per cent.
There were 05 full term babies, 7.4 prematers children and a macerated. Of the full term babbes. 65 ere from multiparte and 30 from primiparte Of the 65 multipara children, at died soon after birth and t later shape mortality of sper cent. Of the primipure children 6 died goon after birth nd later leaving mortality of a per cent In 7 cases out f 4 the external version was performed and in 4 t as not socressful. There were three cases in buch the child ould have died thout version. Extraction done us 6 cases, cases which ere and all the bables lived. I spontaneous p to the sacrum, all bebies ere deed or deeply amphyziated 1 a d Hoeven's smaller statistics show better results but do not prove the

correctness of the method but merely that his series of cases as more successful. Tremb still is firm adherent of the external version and also the extruction by one foot

Bjöckenheim Case of Repture of Vadinal Forals during Labor (Zur Kannetit der Kolpapverhens sob partal Zenball, Great to 1 Minus, sto By Zentralbi L d. ges Grank, a. Gebertsb d Greatgeb

oman, 37 were old, octapera The case as Preceding labors were normal and easy Last menstruation occurred September 9 a. 'લા બ health d ring pregnancy as good. Labor com mesced the (termoon of Jame 1 9 rupture of me during succeeding night Strong bearing don rates occurred during the entire night decrease in strength and frequency toward grorning. The uterine os was completely dilated. Child's bead was large, and freely movable bove the pelvic inlet. As the fortal heart sounds ere streggibt and west, repeated but unsuccess! I ttempts at delivery by forceps were made. Version and extraction of child succeeded easily. The head passed with the greatest difficulty through the upper pelvic aperture. The child was dead not was not weighed feacture of the clavicies and disjocation of cervical vertebre. After waiting one half bour the physician made win attempts t express the placent by Crede The pterm was well contracted and namonally small Attempts were made t deliver piscents manually

The hand was introduced int the vagina and attempted t reach the placents along the umblical cord. The hand entered a large on ity to the left of the empty uterus. The placenta as not reached but the hand I it interimal loops through the opening Tamponing of the vagna ith game General condition good. There as not are of severe hemorrhage. The patient as transported by horse and wagon so ken and made trip on the railroad of one hour t Heblogiors. Her general total tion was quite good no elevation of temperature pulse strong, not erelerated. The unthikel cord led into the left vaginal. It, the left para metrium and thence int the biominal cavity There as left lateral and anterior rupture of vaginal foral (columporthesis) Extraction of the piacenta by ambilical cord without any marked loss of blood other anisthesis laparotomy longitudinal locision, A wound cm. long as found in the peritoseum in the plica vesko at ring t the junction of variou and nterm extending from before t the left side of the region. The region, bose soterior all was torn from the cervix t the atent of boat 6 cm, communicated with the belocumal cavity. He then sutured the vagina t the cervix, the pentoned teer The parametrium as packed ith indoform gaues toward the vagina. The belonsinal inclaim was closed in three rows with games drain in the to er portion of the ound Perfect bealing resolted. Convalenceme as disturbed by right soled sudature pleuro; The patient was dischannel could Hurk

PUEEPERIUM AND ITS COMPLICATIONS

A Contribution to the Etiology of Late Harmorrhages I the Pastportum (Eding of Anologie der Spithhytangen im Hochenbett). Best Griecule a Gyath 9 3 31 ht. 3 By Zentralist f d. pm. Gynth. Gebertals d. Grennels.

The athor discusses three cases of sudden hemor rhages to the ht puerperium the pronounced tendency to recurrence. One I the cases was personally observed by him the second occurred m the practice of I est and the third has been reported by Momen. All three cases were due t rupture of large arterial vessel by trauma during labor Tha theory sorrounding the wound are closed either by suturing or spontaneous bealing, jet the venets remained open. A pseudo-encurism gradually formed beaesth the freshly healed wound edges as result of karmorrhage from the open arteries. Increating pressure caused supreme of the freshly besied ound t time when the patient was evidentily recovering The repeated hectsorrhapes finally led t death

The clinical course of these cases is therefore characterized by hemorrhages occurring anexpertedly In the lat puerperlum, followed by an interval of complete crest of the bleeding. The resisting powers of the tissoes gradually decrease doe t emagnintion. An inclination towards infection of th

stagoated blood and the thrombs appeared. Finally death resulted from anemia. The ply treatment indicated is extirpation of the uterus as soon as possible after the first recurrent hamorrhage.

LABORE.

Zangemeigter | Inversion of Uterus in Puerperi um (Ther puerperale Uterus enterior) Melacher seel Welanche 9 3, lx, 6 6. By Zentralbi, f. d. gas, Oynik, u. Gebertish. d. Geenagab

Inversion of the aterus in puerperium occurs once in 400,000 buths, three times as frequently in primipara as in multipara, and ten times as fre quently at full term as in premature births. Too early expression of the placents and pulling on the cord are the most commo etiological factors. Prodisposing causes are short cord precipitate labor operative proceedings, and adherent placents. Occasionally an inversion occurs spontaneously Inversion sometimes occurs without symptoms. Usually is accompanied by severe shock, and terms hamorrhage. Septic infection occurs in per cent. The mortality is 6 per cent. Treatment is as follows Combat bemorrhage and shock then replace terus. In uncomplicated cases of inversion,

tampon or colpenymter is placed in vagina, and a tight external compression is applied. In twelve to twenty-four hours the eterus is replaced manually the hand removed, crept given, the terus massaged. Three per cent of cases are reduced spontaneously Operative interference is indicated when reduction is impossible or when complications RUPTE

k A Critical Review of th Medical and Surgical Treatment of Puerpecal Ectampeia. 71nk Lancat-Clus q13, ccx, 603 By Serg., Gymec. & Obst.

The treatment of eclampasa demands not only a deliberate and thorough consideration of its pathology course and prognosis, but also study of the results of the various methods of treatment which have been employed in the past as ell as those of to-day About 50 per cent of all eclamptic cases develop during labor 50 per cent during the 8th and oth me th of pregnancy and perhaps 15 per cent The severity duration and fresucceed labor quency of the convulsions vary depending upon the character and extent of the changes in the maternal organism. The latter occur in the brain, cord, liver and kidneys. The lealons in the brain and cord are anemia or plethora, ordems and hemorrhagic exudates. The changes in the liver and kidneys are not inflammatory but degenerative in character and consist of cloudy swelling, fatty degeneratio necrosis of the secreting glandular epithelium. The convoluted tubules are affected in the kidneys, the acini in the liver Hemotrhagus may occu in the periphery of the acial, and thrombi form within the later and intra-acinous branches of the portal vein. All the changes found within the body of the eclamptic dead indicate the presence of poison or poisons.

Eclampels is an autointoxication, due to an imper fect elimination of effete elements. This means an insufficient action of som or all the emunctories of the body but more especially of the kidneys and Hoer

Not knowing the character of the toxins which cause the convulsions, we can only solve the questio of treatment by looking for an answer in the history not of the patient but of the disease. All uthor ttles agree that in the majority of cases eclampera results either from renal insufficiency from acut yellow atrophy of the liver or cerebral poplexy This explains the prognosis. If kidney insulfi clency is the cause the patient may recover if acute yellow atrophy of the liver or extravasation of serum or blood into the brain or spinal cord, the patient almost invariably succombs.

The fortal mortality in eclampala depends in large measure upon the period of gestation and the manper and time of delivery after the onset of the disease. Premature birth, version and extraction and accomment force are frequent causes of the death of the child. Even with the new methods of treatment, especially vaginal and abdominal hyster otomy and Bossi dilatatio the fortal mortality re-

mains high-30 to 40 per cent.

A thor then points to the fallacies of emptying the uterus by surgical means as recommended by Halbertsma, Burnin, Peterson, McPherson and Davis. The treatment of enlampsia would be simple if the conclusions of these without were correct. Peterson collected total of 3 35 cases of eclampaia in 47 3 per cent the convolutions continued after operative treatment. In those cases where the convulsions ceased after delivery the mortality was 18 4 per cent. while in the cases where the convulsions continued the mortality numbered 28 4 per cent. The author then refers to his 30 cases treated medically only The maternal mortality is 3.3 per cent, the fortal 46.6 per cent. Ballantyne reported 29 cases with a mortality of 17 s per cent Fern 0 cases with a mortality of 10 per cent Rushmore collected 88 cases with a mortality of 20.4 per cent and Stroganoff reports 400 cases with a mortality of only 6.6 per cent. Thus the collective maternal mortality of the medical care of eclampala of these five authors is only per cent.

The result of the decapsulation of the Lidneys for the relief and care of eclampala in of cases is, according to Poten, as follows No tracks after decemble tion 42 times with 15 deaths, one to 6 attacks after decapsulation 7 times with deaths 7 to 1 attacks after decapsulatio 4 times with 3 deaths r and more attacks after decapsulation 4 times with o deaths indefinite number of attacks after decarrantation times with to deaths. In the total of 98 surgical operations the maternal mortality is 35 or 37 76 per cent. In Carsarran section there is a mortality of 7 per cent and with strictly

medical treatment a maternal mortality of only per cent. These figures speak for themsel or and the conclusion is that surgery has contributed little, indered almost nothing, to the red crien of the maternal mortality from peoperal echampia. Assist above but do not ind ce it, or treat the convisions and the prepancy take cur of itself, is still good teaching. The a their then considers the good teaching. The a their then considers the first of the consideration of the control of the divided in the prophysical treatment and curative treatment. He sums up the curative retented in the follow

ing points The hypodermic administration of cc. of Norwood's tincture of verstrum veride, re peated hourly until the pulse is reduced to 60 per minute or less. Copious enemata of soap-suds is given t wash out the large intestines the bladder is cotheterized saline cathartic is administered as soon as the patient is shie to swallow 3. Hot baths or packs not oftener than twice day 4. Mill. broth water o Fischer's solution may be free ly administered the latter being given per rectum or if the case be an urgent one, intravenously Chloral per es or per rectum is given if the patient is restless. 6. If the patient is at th and of th first stage of labor and then ply if the symptoms are grave, may forceps be employed t terminate labor. If the first stage is not complete or if labor has not begun, and the patient has improved under the treatment above mentioned, the case is left to nature. 7 I cases of anomia or esthenia from any cause normal saline solution or Flacher' solution is given per rectum or intravenously & In the presence of any condition, maternal or fortal, which makes the birth of the child for siest maintells hazardous or impossible, abdominal or vaginal Crearean section, or deep cervical incisions, each depending upon the period of gestation and other circumstances, are fustifiable. Henry Schotte.

MISCELLANGOUS

Dédek The Origin of Respiratory Movements In th Festus (Zor Frange der Entstebung der Atsumgsbewegungen bemammenfliches Fortus) Life.

hy Zentrahi L d. gra. Gymik. u. Gebortsk. s. d. Grenzgeb.

The uther gives resume of the literature corrulng the origin of the first reprintery movements of the serv-born. If describes the periodic latter of the serv-born. If describes the periodic latter uteriae respiratory movements of Ahlfeld, and thinks there is an intinate relationship between them and the regular recorning respiratory hythms of the other latter latter is the respiration of the properties of the theorems called corresponds intimately to the periodic latter-strates respiratory movements of Ahlfeld while the respiration of the fall term child results that of the addit move closely. The author considers the periodic latter-strates hythmsis respiratory movements as an entirely center and that the first contributions are the east results of intra-strategraphyticious are the east results of intra-strategraphyticious are the east results of intra-strategraphyticious are the east results of intra-strategic development of the respirators paparatus. Profession

Lawasoye The Influence of the X Rays on the Fortal Membranes (Uber die Dhwiring der Rher genstraken auf die Eikante). Zenbelle, f Gyati., 1913, 222vil, 483.

By Zentralbi. f cl. ges. Gynlik. Geberteh. d. Grenzech. The diversified coinions of the harmful action of X-rays on the products of gestation induced the anthor to determine on pregnant guines pige. whether pathological changes could be produced in the fortal membranes by one or two ppacations of X-rays, as is done for diagnostic purposes in preg ment women. The necrotic foci which are histologcally found in the decidus must be considered as physiologic, because they could also be demonstrated in the control animals which had not been Y-rayed. Although a characteristic change could not be found in the gestation membranes and in the uterine walls, damage to the pregnancy by the X-raying was apparent. I seven cases an bortion was observed in the sterm three times, dead fortus once and a materated forms once. The harmful action of the X-rays is also apparent in the necrotic arms in the fortal liver and soleen. House.

Authorn Demonstration of Factus with Salid Embryoma of Gorryx (Demonstration closs Ferm selt Strinterators) Muscless, and Welericht 2013, in 667

By Zentralbi, I. d. gos. Gyakle, u. Gebertels, s. d. Grenageb A primipara, 8 years old, was in the sixth mouth

of pregnancy Labor began spontaneously A tumor could be felt extending upward four faches above the navel. Truction on the bend of the forest caused a voluminous discharge of an opaque fluid-The fortue was delivered with the exception of the breech when tumor appeared almost the size of child's head. The forus was mecerated and showed the following anomalies. At the posterior pelvic wall behind the anus and renitalia broad shreds and strands of times are attached which continue into the akin of the fortus. These are remnants of the ruptured capsule of the cystic portion of the turnor T it is attached the solid portion of the tumor almost as large us a child's head. The placents is twice as large as it should have been considering the duration of the gestation. According to the microscopic findings this tensor must be considered as an embryoma. Its unusual size is remarkable, the chief reason for the wrong diagnosis.

Trinchese The Tim when Lustic Infection Occurs in the Fortus and its Chincks Signifcance (Ober des Zehyank der heitsche Sichtie des Forms und denses Kinische Bodertung) Seit Gebetik n. Graff 9 3, ruis, 201. By Zemniki i. d. gr. Gyadi, n. Gebortih, n. d. Gromph.

The uthor presupposes that paternal infection does of occur and that an early infection of the fortus is hardly probable. On that account the organism must enter the fectus body in its later period, undoubterly during the latter half of preperiod, undoubterly during the latter half of preperiod.

nancy He takes the stand, and corroborates it with several observations, that has is not a cause for abortion. According to his view there are always other causes for the abortion present, such as diseases of the endometrium and malpositions of the uterus. Veither can the death of the fortus due t ines cause an abortion, as spirochetes have never been found in them. Also in cases of prometure labor the role of lines is important, being rare to living children and usually only in those born in

the seventh month of gestation.

Two thirds of the fuetic children are been during the last three months of pregnancy and most of them in the eighth month this percentage being considerably lower toward the end of gestation. Only 5.3 per cent I luetle feetures are carried to term, most of these are born alive and show the typical signs of congenital syphilis. Fortal lues begins and ends in pproximately 80 or 90 per cent of the cases during intra-uterine life, occurring in advance preg nancy as a rule. Hence 53 3 per cent of dead factic fortuses are born between the eighth and tenth months. The child can only be saved through energetic mercury treatment of the mother success resulting then only if treatment is instituted before fortal infection occurs. Therefore, acute syphilitis treatment should be instituted in all suspicious cases as soon as the diagnosis of pregnancy is made, Even if it is begun as late as the middle of preg-nancy it may yet be life-saving Battan.

A Case of Delayed Meconium Empalsion (Uber einen Fall von vernogerenn Moconnen-Abpung). Jahrb f. Kunderheith., 1913, bravil. 453 By Zentralbi. I. d. gus. Gyalik. u. Gebortah. a. d. Gerangeh.

A complet retention of meconium existed until the fifth day after birth during which time all food taken by mouth was immediately vomited, and the child lost weight rapidly. Enemots were given without result and operative interference was declined by the parents. After four days and eight bours there occurred apontaneous evacuation of a large amount of mercenium, in which two glass-like mucous plugs of grayish green color were found. Immediate improvement and increase in weight followed. The meconium retention did not present the picture of a severe betipetion but rather that of complete obstruction. The author considers the mucous plugs the cause of the obstruction. The site of formation of the mucous plugs is considered in this case to be the crecal region. ERRENAGE.

Schlimpert Experience with the Abderhalden Reaction (Erishrungen mit der Abderhaldensches Schwangerschafterenktion). Deutsche Gesellich. f. Gyett., Hale, 9 3, May By Sung., Oynec, & Obst.

Sera from pregnant, non-pregnant, carcinomatous, or other patients should be examined together. In doubtful cases diagnosis is only to be made when all control sera are correctly diagnosed. Uterine, ovarian, myomatous, and carcinomatous tissue was not digested by the pregnant serum in nineteen

cases. Using different animal placents: with similar and heterogeneous sera, the results were as follows Fifty-eight cases, in which sheep placents was used, were correctly diagnosed in all but one instance. Twelve horse sera with horse placente gave correct diagnosis in every case. Two pregnant horses gave sern which digested horse placents. Since the horse placents have no cherionic villi, the deportation of villi (Veit) cannot be responsible for the blood reaction. Heman pregnant serum often digests animal placents: the reverse being seklom J R. Matre.

Peters Concerning Schottländer's Publications on th Determination of the Length of Pregnancy by Means of Histological Examination of the Piacenta (Ex Publication Schottlanders Über die Bestimmung der Schwangemehaftsdauer auf Grund kistologischer Placentarbefonde und über etwaige praktische Verwertbarkeit dieser Befunde"). Zantralki, f. Gyadi., o s. xxxvii, 373-By Zentralki, f. d. gas. Gyadi. Geborish, s. d. Gresageb.

The presence of nucleated red blood corpuscles in the fortal blood vessels between the first and third months has long been a method of diagnosing the age of the egg. Further the presence of villi, the histology of the epithelium of the chorionic villi, together with the size of the egg would indicate whether two mouths had been passed since conception. From six months on histological findings of placents are no longer a method of diagnosing the age of the fortus. Langham cells begin to disappear from the checionic membrane at the 5th week, from the villi at the 7th week, but do not completely disappear from the chorionic membrane for many weeks. Therefore, this is of no value in differential diagnosis. Thus there is left the period between the 15th-17th week, and Peters said it was absolutely impossible to make a definite diagnosis of this period by the ex amination of the placenta. Even if one could do so it would be of little value.

Beri Sorgical Transment of Hismorrhages of Freinance Labor and the Puerperi m (Die chivuplacies Bisandium der Schwingerschaftz, Geborts und Nachgeburtsbitzungen) Gradt Rand schen, 10 J. vil. 10 J. By Zentralbi. f. d. gws. Gynāk. w. Gebortak. s. d. Grungeb

Bar shows by statistics how far and in which cases

immediat surgical interference can replace th ordinary obstetrical methods. He cites 153 cases of abnormal implantation of the placents and a cases delivered spontaneously despite profuse bleeding with no other treatment. There were ten cases of according to force, three delivered with forceps, without loss i mother or child. Six cases of version gave a maternal mortality of 16.66 per cent one case required craniotomy

The author then takes up cases in which hemor rhage was treated primarily by temporade of vastra alone or in combination with other methods. by supture of the bag of waters, by supture of the has of waters and colpennysis, and by reptare of the

bag if waters with Braxton Hicks version. The mortality in cases of supture. I the bag of waters, without vaginal tamponado, was 1.83 per cent for the mother 44 per cent for the child. The mor tality in sixteen cases where the bag of waters was ruptured followed by version and extraction was 6 as per cent for the mother and 75 per cent fo the child following rupture of the bag of ters and forceps the mortality was all. I thirty-four cases in which the loss of waters was runtured and a metreurynter inserted the maternal mortably was 5.88 per cent fortal 38 33 per cent. Following rupt re of the bag of waters ith metreury as and ver slo the mortality of the mother was a Def cent, of the child to to per cent. I one case n which the bag of stern as reptured and me trearynter merted extraction done by the forceps and both mother and child died. Rupt re of the hag of a ters with insertion of a colplary ater and ramotomy a followed by no maternal mor tallty There were t cases to lack the placenta was punctured and a foot pulled do a, both the mothers being sa ed nd both babes lost. I alz cases there manual dilutation of the cervis in three cases dilutation of the cervix with Brosses dilators, ersion and extraction, with a maternal sportality of o. fortal sportality of 66.66 per crus Then the total maternal mortality as 0.3 per cent the fortal, 5 of per ent. These results are not satisfactory. The 4 maternal deaths were the result of niection in ten cases and four cases were do t bemorrhage

I order t shorten labor on account of hermor thage, one should proceed raginally in all cases that are injected. One should operat abdominally only ben there is no sign of infection or ben exturnation

of the uterus has been determined upon. thirteen cases of severe retro-placental hemorrhage Ba reports fou deaths one dust hemorrhage two to emboli one t infection. But thinks that post partern hemorrhage, due t an atomic terms, seldom needs surpeal intervention. Cervical tears should be repaired if this is empossible, the vagua abould be tamponed. If hemorrhage continues, the pa tient should be inpurotomized, and the injured HOTEL TEE vessels ligated.

Stemens Is Albumin ets Likely Recur I Subsequent Pregnancies? Am J Old N Y o Livie \$4a. By Sary Oyner & Olst. 9 S. Levk. \$49.

Siemons finds that about one out of every five or sia nomen who have a high grade albuminuria an the first pregnancy suffer from an uto-intoxication in the second In order to distinguish between those who may expect - recurrence from those who probably ill not have any trouble he believes something may be learned from careful observation of the sort of recovery hich the patient makes. If the affermin is reduced to a faint trace during the first week of the poerperium it is certain that there is no permanent defect in the kidney and that the outlook for normal conditions in future pregnancies ta excellent. On the other hand. meanurable amount of albumin persisting for act or eight weeks offers a very gloomy progress even if it unitsuately disappears entirely. If believes more valuable opianos may be gained from an baquiry int the blood pressure findings of these orner during their convalenence. Those cases with high blood presare high set on a normal prospers of doe the course of t weeks, he considers ha e had an eclamptic instead of pephratic toxemia and are

unhiely t experience a recurrence Where the blood-pressure remains high for some time however some permanent damage to the kid any may be presumed and trouble in subsequent pregrapcies asticipated N SPROUT HEA EV.

Colle Action of Placestal Extract upon the Vascula System ad you Blood Congulation (Acone degle extrated di placenta sel sistema rarboascelare malls congulations del magne). Gett d sep d clas Missao 19 3, 2700, 201 By Zentsalbi f d ges Gynak u Geburish a d Gressuch

The author experimented mon cats with an extract made from the placents; of cats, guinea ples, cown and omen by crushing and extracting with ph sectoric salt solution. His conclusions are as oflows White pore or sally diluted extracts) the the blood pressure occurs, with (t an nerease the force of the vetole ithout mfluence of the rat a. With more highly diluted 000) decrease in blood pressure estracta (30 t and pulse tension results. 3. Extract of placental previously ashed with normal salt solution is more active than an extract from placenta not previous ly ashed. 4. With pure or eakly diluted blood extract blood coagulation is hastened, with highl diluted extract to deleted. 5 With boiled ex tract filtered cold blood pressure is slightly raised, followed by abort period of lowered pressure. 6. The action is not constant and in human beings sometimes ithout action, but occasionally taxic, even in dilutions. 7 The rapidity of rejection is happore at Il rapidly injected a ma act fatally I tolerance is possible if the concentration be graduall increased the animal III tolerat large BERWEEN dones.

GENITO-URINARY SURGERY

EIDNEY AND URETER

Nowicki The Relation Between the Chromaffin 5 betance and Adrenalin in th Supersenal Capsules (O stounk chromaffin) de adrenaliny asclerasck) Pragi by gueck 9 3 vin 69 By Zenirabi † d. ges Chir 1. Girengels.

The majority fauthors assume that the drenalin is elaborated in the cells if the medulia, is stored up there and also distributed from there. This process probably occurs in the feechromic cells. object of the investigations was to determine if the chromaffin substance bore any relation to the adrenalin content if its absence or increase could be atilized to determine hypo or hyper-function of the suprarenals A decrease in the chromatin substance was produced by a long-continued chloroform anasthesia and bilateral nephrectomy Supra renals of dead animals were also used. The organ was measured, weighed put a Muller's solution and heated in the moul manner. Watery extracts were prepared with ec of solutio t weight of the giand The tests wer conducted upon guines pigs, according to the method of Liven-Trendelemburg. Each experiment was occurately recorded. The results | the experiments prove that between the quantity the grouping and pigments tion of the chromaffin substance on the ne hand and the action I the extracts in the other there is definite relationship. Hist logically it is also possible to determine the pproximat adrenalm content by the behavior of the chromation substance

Married

Labenhoffer Th Physiology of Kidney Innervation (Figusiopaches uber Vereumervation) Desirabr for Kong 0 3 By Zentralbi f d ges Chir i Grenzgeb.

Lobenboffer emphasizes the fact that up 1 this mes or knowledge 1 the dependence of the knizer on the nervous system has not been at all exact. The previously accepted teaching has been that the work of the kidney was regulated by nervous stimuli which are transmitted to it from centers in the brain or spinal cord through the many nerve there when caste the hairs in the kidney with the blood vessels. This view originated and as responsed by the fact that the Lakney secretio nearly all y stopped after section of these nerves also from the effects of that the Lakney secretio nearly all y stopped after section of these nerves also from the effects of that the Lakney secretio nearly all y stopped after section of these nerves also from the effects of the teaching the contraction. In many proportionates, the contraction of the section of t

was transplanted to the pedicle f the sphern. It was then removed completely from all external nervous joilences, but was kept in a normal living state. The ther Valney was removed. The last that animals with such kidneys remained always a long time (be kept dogs under observation for also months and one year) decided the prestion definitely

By the aid of histological and physiological examinstion he found that the granulations f the protoplasm which is an index of the secretory activity of th kidney cells, corresponded completely t the picture in the normal kidney Thus, there was no change on account of the severed connection with the central nervous system. With experiments on divines and secretion, he tried to test the activity of the t bular and vascular parts of the kidney substance. The water and salt output, and also the elimination of foreign substances, such as indurecermine, milk sugar and phloridrin, were entirely normal as shown by the curve. The transplanted rgams were also able to withstand overloading Hence it was shown that the kidney can carry out all ts physiological functions by itself and that it is much more independent organ than hitherto

much more independent organ than hither believed.

Diuresis, especially, can only take place norma

Diursis, especially, on only take place normality through the active functioning of the contractile elements of the blood vensch. Thu is undoubtedly caused by nervoes situatable, which must arise in the kidney itself, and can only come from the recal plean, which has long been known to a nationals about not bereaform considered much by physical points. The nerves extening the falles have distributed with regulatory functions, but no tracts with exerctory fibers.

Abell Renal and Urstinal Calculi, Ky. H J
9 5, xi, soc. By Sorg Gynec. & Oct.

This paper is based on the author personal experience in a 1 case of recal and untertal calculi liarmaturia was persent in si typical renal colic in J urinary frequency in a pyuria in o. X ray plates were taken in 9 cases, showing calculi § 17. The plates were negative § 2 cases where calculi were sobsed ently found. Spontaneous expulsion of calculi occurred in 6 vasses. A careful determina

tion of read efficiency was made in each case. The thor believes that primary stoors, small enough it permit of traversing natural channels, are to be kept under X ray observation it regular intervals util puried abundant duriest. If hasten their passage When impacted in wreters it is often possible it dislocing them with it reieral catheter and their expulsion may be facilitated by the I jection of oliver old last the meter. Large primary stoors oliver old last the meter. abould always be removed by appropriate operation even in the absence of distress their presence con attitutes a menace from possible obstruction, infection, and anuria. Hawy L. Sayrogn.

Barkley Subparietal Rapture of the Kidney with Report of Cases. Lease Ches. 19 3 cts. 475. By Surg Green & Obst.

The kidney is more often replaced that any organ below the diaphagam the strength and excepted. The replace is unally transverse but may be vertical, oblique stellar for replacified. The pertinent cleavity is often exposed when the injury is on the interior of the strength of the control of the strength of the strength of the strength of the mortality of or per cent been treated expectant by its operative treatment about deals of it is much higher no that one complicated cases there is higher or been complicated and treated expectant by the mortality is o per cent. In considering the propriosis the complicated and treated expectant by the mortality is o per cent. In considering the propriosis the possibility of injury to other organs can not always be climitated. This mortality is 1 per cent. But the any treatment in complicated cases given so per cent mortality. Architections in the case of the complication of the control of the complication of the co

the one would suppose from reading modern text books on surgery It is seen most frequently be tween tenth and fortjeth year and on the right side Pain, hemsturis and shock while novally present may not supervene immediat ly upon receipt of intury and in some severe cases are entirely absent. Urinary symptoms may vary considerably and nor mal renal function to not restored (or some time after the wound has healed. In many cases it is impossible to differentiat by clinical symptoms slight from extensive rupture. The absence of syndence from extensive rupture. The absence of evidence of serious injury should be established before temportaing or the expectant plan of treatment is employed. In cases of doubt early exploratory incision is the logical surgical procedure. In infected cases lumber incision and draustee or nephrectomy give the best results. Seture of the kidney parenchyma in clean cases gives excellent results. In cases not complicated with other injury death is usually the result of shock, hemorrhage, or sepels.

Verleker: Dilatation and Infection of the Renal Patris (ther datation and insection des Nierrobeckens) Encle f week Chr., Lajons, og., i. a. By Testradi (d. gra, Gyalik a. Geborisk a. d. Gewageb

Under normal conditions the real petwe are completely empided at each contraction of the universa-The demonstration of retained urbs in the renal petwa under pethological conditions becomes of the greatest importance for the determination of the automical model. The things must, first by all, in distinguished—the residual urbs in the resal below, and the petric expective. Changes in the latter only take piace gradually and repule lose periods of time, coxing to the slight elasticity of the walls of the read perix. The santonical read perivs, again, smust be distinguished from the "surpect," which represents the sum of the holow "surpect," which represents the sum of the holow the period of the "surpect and period by the is normally 4-6 cc., can be determined by filling is after periods excausable, by nome of a unrest astheter. Tor a staining liquid collaryo is medtal. The moment the period is filled is indicated by the occurrence of pain in the region of ille respective the contract of the period of the representation of collarsol in the bladder.

This method of demonstrating the conditions of dilutations and retention is supplemented by pyclography (margrengraphy of the kidney after filling with a y-y-per cent solution of codarpo). This shows not only the position of the kidner the six and any possible dilutation of the renal petric, but they revent aboves one or problement of the renal petric, but they revent a better congress particles. The respect of the petric of the renal petric is the confidence of the current. The colleged should be cold and first from gross particles. The respect these confidence of the petric of the o

degree of dilutation.

The following forms of dilatation are to be dis-tinguished () Dilatation of the anatomical renal privisations (2) of the anatomical read privis and the culvees (3) of the renal culvees alose. The primary dilatation (pyelectary nephretary and hydronephrosis) is caused by machanical obstructions to drainage by contrast the brimary infection pysiogram shows no dilatations in the first stage. If the infection persists for some length of time, swelling of the mucous membranes of the renal pelvis and the areters leads t dilatation of only the renal calyons. At a still later stage, abscrises are formed in the renal parenchyma, the so-called primary cavernous pyonephrosis or infectios-pyonephrosis. From this must be distinguished the secondary or dilatation-pronephrosis, which arises from chronic infection of an aseptic primary data tion. An intermediat form is represented by the combined pyonephrous, which results from a somewhat more marked asoptic primary dilutation with subsequent permanent closure. Cinically, form is characterized by a marked septic condition pathologically by a marked dilatation of the anatomical renal privis and a privis alled with praby cavernous abscrees in the pareachyma. If the infection affects an already dilated recal privis, dilatation-pyellis results, which is characterized by a permanent pyuria and pains as in colle. The infection of healthy renal pelvis, on the other hand, is designated as injection-pyelitis. This arms from bacteriaria the urine, during the intervals between the intermittent tracks, is free of pas but contains

many bacteria. The attacks appear cyclically and frequently without material pains in the kidneys or colo, while the general condition is good.

Therapeutically in dilatation-pyclids irrigation of the renal pelvis by instillation of silver nitrate or collarged deserves chief consideration. Since in infection-pychids this procedure generally produces no results, it is better to resort t vaccine therapy.

G in Symptoms of I testinal Occlusion in Nephritic Colic (Des symptomes d occlusion intestions dam la cohque nephrituque) Bull will 9.3 xxxi, xy By Journal de Chiruppis

During a sephritic color with free ent attacks of pain followed by intervals of complete risk of pain followed by intervals of complete risk or and paralysis (the intertunes are apt 1 occor In some case this paralysis causes only "light discuss this of the abdomen both in others there is marked nectorism which may persast for some time or may creat siter several days. This last conditions often makes it very difficult for the physician or surgeon I work in a case of disposes. A surgeon receally

suffered from such attack,

This surgeo who was subject to reus! crises had series of attacks in which there was no nausea or romiting and no radiation of par along the preters or into the testicies but severe gastro-intestinal cramps. These stacks, two in umber were crompanied by complete inertia of the bowel no sas or feces were passed for three days after the and attack and for two after the second. At first it as thought the trouble was secondary t some pleuro-phrenic affection which involved the stomach and intestines. But the persistent suppressio of gas and the great distention of the belomen caused the attending elinedams and the patient t suspect the presence of some obstruction. Operation was advised, though the typical signs of obstruction were absent nd, after the painful attacks, there was no change in the facial expression.

The patient passed some gas shortly before the time set for operation, and the next day the meteorism disappeared, the abdomen relaxed and there was no more pain. The following day some sand was found in the morning specimen of urine, - Urinalysis which showed many large uric acid crystals and 0.8 o parts of uric acid to the litre and a slight trace of althumin, pointed the way t the correct diagnosis. That night there was alight attack of pain lasting one half hour and in the morning stone apparently formed I uric acid and about the size of an apple seed was found in the urine. After this except for some vague passing sensations in the lumber region there were no ttacks of pain and the patient was able to take nourishmeat. There was no further trouble in the intestines

Guinu found three ther unpublished cases which were analogous. Gosset, Moutler and Dreyfus asw these and thought operative intervention equally indicated. The explanation of the intentinal symptoms is explained by the fact that the renal plerum arises from the sortico-renal ganglions which are part of the solar plerum. Reflexes traveling from the renal plerum may nimulate or paralyze the intendial branches of the sympathetic system as well as those going to the spermatic plerum.

What is the real cause of the symptoms in such cases of apparent intestinal obstruction? According t Guenu a careful analysis of the pain is necessary The I tensity of the pain is disproportional to the condition I the abdomen and in occlusion it is due to the co traction of the weak intestinal muscle. I repai croses the pain is the first thing noticed and It rapidly reaches its maximum intensity retention of gas and metrorism are not noticed till later and although the patient suffers considerably that visceral angulah which is always present in which is always present in real obstruction is absent. The symptoms of abdominal Inertia predominat as is shown by the absence I colicy pains bet een the renal attacks and by the absence of noises and rumblings. Finally the palpation of the bdomen between crises in false fleus, unless there is distentio is slightly or not at all painful.

In all cases of immbo-abdominal pain, a careful urinathals abould be made searching especially for gross or microscopic uric acid and oralize crystals. The blood should be examined for uric acid chemically

In the treatment of such cases purpatives are not always successful. The best method seems to be to restows the causes which lead to intertinal inertia. The renal pain is controlled by sub-cutaneous injection of morphine in quantities sufficient to produce complete relaxation. This seems to be the most effective treatment.

J Dunter

Diemit The Structure and Historiemists of Congenital Kidny Nevolusius (Uler den Bas und die Historieme der naybornem Nierrageschwitzt) Zinkir frust. Ural, Leips. 9 Liv S By Zeutuffal. i. d. ges. Gyala. z. Ceburiah z. d. Grenzgeb.

A congenital tumor of the right kidney obtained from 30 cm. fortus born dead is the basis of this report. The tumor was the size of hea's egg, with no normal kidney throne remaining. The diagnosis of adenomyosarcoma was demonstrated macro-The tumor belongs to the group of embryonal adenovareomata described by Birch Hirschfeld. To explain the presence of muscle cells in these tumors the author accepts the hypothesis of Wilmest One must assume that at the time when differentiation of the kidney anlage from the primary mesodermal plate occurs, few cells of the muscle anlage and scierodermal anlage are through some unknown disturbance included with the kidney anlage, and continue their growth in a tumor-like manner and that the highly irritated embryonal kidney cells likewise continue their unchecked growth in tumor-like manner

Speece Periramal Harmatoma. Surg Grace & Chat.

Old 9 3, xvi, 370. By Surg Grace & Chat.

The utbor describes case of periramal harm storms.

atoma, t enty-one cases of this disease having been recorded. The patient, aged 43, developed chill followed by malaise. Several days later there was sudden and cute pain in the right hypochondrium. followed by the appearance of a tumor in the same region. The patient developed pallor shock, and a temperature of o The prine contained small number of red blood cells, and functional tests the closed diminution in secretory activity of the right Lidney The operation, exploratory I nature, revealed a perirenal blood effusion which infiltrated th fatty capsule, and stripped th fibrous capsule from the kidney. The outer surface of the kidney contained an irregular tear. Nephrectomy was performed, followed by recovery The histological examination of the kidney showed chronic gentrytls, the only lesso demonstrable and presumably

the inderlying came of the hemorrhage.

The following conclusions may be drawn from the study of this case and those collected from the

Bleature Pertenal hemorrhage is caused by t ber culous, abscess or cumors of the kidney necrosis of the adreast gland, transastem and occasionally occurs is hemosphilia. The sportnanous forms is probably due to chronic nephritis, the only pathological leases which has been demonstrated.

The characteristic sympt ms of the disease are sudden pain, signs of internal harmorrhage, and the formation of retroperitoneal tumor

 A moderate degree of hematura is present in one third I the cases. Functional tests show disc-

tion I the secretory activity
4. The affection is most commonly mistaken for intesting betruction paranephritic abscess.

5 The disease pursues rapid course if narelieved death resulting from hemotrhage, infectionor pulmonary complications.

6. Medical treatment has been uniformly un

7 Ten of the sixteen cases operated pon have recovered (6 per cent) The mortality f the twenty-one cases treated by both surgical and medical measures is 5 per cent

Furnise Preliminary Report pon the Use of Indige-carmine Intravenously as Test of Renal F nction. Surg Open & Ohn, a 1, Nu, ph; By Surg Cynec & Ohst.

Formus advocates the use of ladipo-caranne is attenual of a per cent in normal salme solution unaversably preferring this method to be intra mucula because there is less paie, and the time of appearance in the arise is shorter and more ascent in the strain is aborter and more according to the variable time of beoption from the muscles is climitated. He has seen no difference in the time of appearance, whether 5 or cr. is used. This has ranged from '61 y musules, it has 15 to at the verage. The follop-carannes test is

made to determine the relative (notional value of the kidneys after estimation of the combined value with phenoisniphonerabihalein.

Joseph Acute Septi Infection of the Kidney and its Surgical Treatment. Urel is Cuica Ra-9 3, xvii, 50 By Surg. Oyace & Obst.

In this rticle Joseph divides II cases income memory according t the localization of the focus paramethritist becrea, proposephritist, needer, templose paramethritist becrea, be says, as relatively barmless localized form of greens) present of have bested. The disgreenite feat rea are teached to be supported to the bested of the disgreenite feat or are teached to the support of the discovery of the bested of the discovery of the bested of the support of the bested of the support of the bested of the support of

such as reduces or flarguation which, poper only at late period of the evolution of the disease, but must immediately resort t exploratory incoica, even if the wrose is normal. This fockeon will the whole treatment, if the paramephritic abscess is not complicated by kidney supportation which, however happens often. A case is reportation

In preiociplaritis—hat is, in differs infection of the boker persendyna—the vital question is, is there only an unfairmentory infiltration, or is persently in the first cone, expectant trust and trust of the present in the control of the present in the control of the control

Pyritin is case

Pyritin is case to diagnose and yields to simple,
non-corralive treatment. Faxors Z. Guanna.

Lapeyre Renal F netion after Decaposition of the Kidney (La fuetion risals agels in detamination du rena) J de physiol et de paciel, per 9 3, se sa Hy Journal de Chirage.

Renal decapacition, as pencified in the treat ment of unreals and echangias, has up to the present lacked an experimental base as the report in measure. Lappey has atteined the elimination of two-ded kidowy of the opposit side. He has studie their comparative permeability to flooresteria and to paisasion terrocyandre, as well as the distraincismed by intravenous niperimode in the contratation of the contral to the contral to the add unse. The method employed by Lappers can sated in the decapatation of one of a dog. Kidoya, followed by belateral vertexistizing in the contral percent honces in the winday secretical processing as well as the contral to the contral to the contral to parent honces in the winday secretic contral to street cases but disappeared by the end of the four hours. After the I jection I floorescein and of potassium ferrocyanide Lapevre found that the elimination f each of these tw substances was practically the same for the decapsulated and the natouched kidney, no matter how long a period had chosed between the decapsulation and the pplica tio of the functional test. The amounts i fected were first .005 gm. of il orescein in ... oc of 9 per cent NaCl and second, 05 gm of potassium fer rocyand in cu of \ Cl

jection of bot nic Likewise, after intravenous on or glucose the solutions of sodi in chlorid polyuria and the eliminatio of these brtances were pproximately equal from the t Lidneys. Hypertonic solutions also yielded the same results. These experimental results sho that tecapsulation the i ctio of the has at least no harmful effect

sound Adney

The author believes that in cases of nephritis no may legitimately uppose that the decompressio the organ, by permitting f freer circulation and f the more ready formatio f omental vascular ad hesious, has a beneficial effect renal functions. Poss (ner

Pascual Contribution to the Study of Calculi of the Intra Parietal Portion of th Ureter (Contribution à l'étude des raieuls de la portion mira penétale de l'oretère) J d'Urai 9 h hi. 447 By Journal de Chirorgie.

Calculi of the tra-panetal portion of the ureter are relatively frequent (per cent Jeanbran) the narrowing at the ureteral meatus I vocing their arrest at this point. They may produce either complet obliteration of the ureter of on the contrary cretic dilutation of its lo er end or two rather characteristic lesions projapsus of the areteral zone or bullous cedema if this zone.

Prolapsus f the reteral some or intravesical dilutation I the lower end of the wreter (which should not be confused with prolapsus. I the preteral mucosa) presents itself under the form of a conical projection into the bladder on whose rounded sum salt may be seen the preteral critice or even the calculus, engaged I this orafice. When far advanced the prolapsus may constit t an atravencal di-

verticulum containing numerous calculi. Ordena of the ureteral zone is usually a bullous

ordema which may arrive I such considerable proportions as to sinasiste real tumor

The calculi f the intravesical portso yield variable symptoms. The more freq ent of these are vesical resembling those f cystifs, frequency dyseria, pala at the meatne, cloudy prine, occasionaby few drops 10000 Cysitis, protatitis, even read tuberculosis, are simulated loung has b-serred semmal phenomena (nocturnal emissions) testicular (pain in the testicle on the corresponding side) rectal (chronic pain in the rectum, increased at the moment of defecatio) Pascual, however beheves that these symptoms are more characteristic of calcula of the justavesical portion of the ureter

Cystoscopy usually gives definit findings enor mous ordens, usually bullous, localized about the ureteral meatur, or prolapsus f the ureteral zone very fren with the calculus itself filling in the ureteral onfice

The presence in the anamnesis of definite renal colle without expulsion of the calculus, ad with vestcal sympt ma, is of great value. \aginal nal pation may yield definite informatio ureteral tenderness, presence f hard body Rectal ex minateo is less valuable because of th hatacle furnished by the presence of the prostat

Ureteral catheterization may yield proof f n obstruction, but freq ently the sound passes easily alongside of the calculus and hence a negative result cannot be taken to rule out the presence f stone. Radiography is the most valuable diagnostic method. Repeated plates and the employment of the opeque ureteral sound are often necessary The exact diagnosis of the site of the calculus -- i tra mural or justavesical - is extremely imports t in determining the type of operation, which is transvesical in the first case nd isterovesical i the second. The existence of prolapsus or f ordema. weigh in f vor of an intra-parietal situation of the calculus but radiography is the more exact method of determining this point. If there is no tendency to spontaneous expulsion of the calculus ats operative removal is indicated, since it leads to progressive destruction of the corresponding kidney The penneal route is rarely indicated. Th rout may be utilized if the calculus is definitely perceptible through the vagina. In omen the endovesical route might be accepted dyantarequaly I many cases it would permit of either the dilata tion of the areter or of the incision of the areteral orifice, or of the direct seizure or crushing of the stone. The transvesical route is always indicated in men and in women where an ttempt by the endovesical route has been unsuccessful. It allows of an easy extractio of the calculus after or without, enlargement of the preteral orifice I TARTOR.

Furniss Impacted Ureteral Calculi Released by Fulguration. J Am II det 9 3 lx, 534.
By Sorg., Gynec. & Obst.

The author reports the case of woman f 40 with frequent unnation pain in right loin and our and blood in urine for three months. Eleven years go she had transient similar attack. A poor V-ray falled t show shadows. Cystoscopy showed a mass in regio of right wreter the size of pigeon a egg surrounded by bullous ordems. The ureter was not seen.

The mass could be felt through the vagina and it was supposed t be a broad-based papilloma, probably malignant. Two polications were made with the D Arso val current. One week after the last ca terbuation a large black calculus was seen protruding through the mass. The patient refused operative treatment t that time. When seen six months later there was history of numerous

attacks of lumbar pain. Cystoscopy showed two stones free in bladder. The right preter appeared the size of lead pencil and the ordenatous mass had entirely disappeared. The author suggests high frequency canterization as a simple and bloodiess method of releasing calculi from the lower end of the ureter when there is no hast from ureteral obstruction. About week is required for the tiesue t alongh. Errors of diagnosis may be avoided by means of good radiograph. F R. O'NEIL

Green Infections of the Upper Urinary Tract in Infancy and Childhood. Bease if & S I tors, cirvid, 643. By Surg., Gynec. & Obst By Surg., Gynec. & Obst.

The author gives a short review of the literature on the subject and reports are cases t. further filtestrate th infections of the upper uninary tract, is that of a girl, years old, who had an appendictal abacem Seventeen days after the operation she developed the typical signs of a kid ncy involvement pain, tenderness, spasm and falness in the right costo-vertebral angle. The diagnosis was acute accordary infection of the right kidney hemstogenous in origin. The kidney capsule was laid open and drainage established. The patient recovered Case the patient was girl, a years old, who had an obscure general infection but was operated for poendicitis. Three days following the operation she developed temperature with no local signs of infection. Two weeks later albumin and blood appeared in the urine. There was tenderness over the left kidney. She was operated in the same manner as Case and she made steady convalencence, being ducharged five weeks later Case 3 was boy o years old who had a severe outcompelits of the fleum with metastatic epolipsitis of the tibia H developed metastatic nephrith. N kidney operation was performed in this case no reason being mentioned why it was omit ted. The patient was treated medicinally and re-covered. Case 4 was thet of a boy 7 years old who dereloped an acute inflammatory nephritis and opelitis following beisno-posthits. The early symptoms were those of an acut pyclosephritis follo ed later by acut ppendicitis. The child recovered completely after removal and drainage of the appendix. Case 5 was that of boy 3 years old, who developed an empyema following pneumonia. Ten days following hib resection be developed an acute inflammatory nephritia. This cleared up in a few days under rest and medicinal treatment. Case 6 is that of girl, years old, who catered the hospital with perinepuritic abscess and also some involvement of the kidney itself. The abscess

was opened and the patient recovered shortly after.
The author comes to the following conclusions 1. In infants and children infectious of the apper arinary tract, though infrequent, are likely to occur

without adequat apparent antecedent came. 2. Their onect is acute, the chaical picture def inite, and their recognition often missed on account of simulating other infectious conditions.

3. The ru most usual forms are acute pyelsis and acut inflammatory nephritis. 4. The latter is most usually hematogenous in

origin the former probably proceeds by lymphatic extension from the intertine.

Predisposing causes are calculi, constitution, phimosis, anal fasures, and fori of infection clas-

6. The classic signs of both are pyrenia, pyaria and tenderness in the cost-overtebral angle.

7 Differential diagnosis depends on examination of the exing.

8. The treatment consists in rest, milk diet, acuccos diurests, moderats cartharsis, arotropia with sodium benroate, potassium citrate or vaccine in obstinat cases surgery only as final measure. ÉDWARD L. CORVILL

Pawfoff Accessory Ursters (Über alassorsche Harsletter). Deutsche Zische f Chie 10 3, cent, 415. By Zenembil L d. see, Clar. u. i. Grannets.

The author reports six cases of double meter. In one case the double reters of both sides communicated with each other in the intramural part through a small opening. In five cases double preters existed on only one side. In three cases the areters re mained separat throughout the entire course. The dinical histories present interesting characteristics which are detailed in the original article. The other was able to collect from the literature six cases of double urster diagnosed by naces of the cystoscope (Stark, Selig, Klose, Unterberg, \emen-) From the aterature it is evident that double uretens, on account of their constant tendency t trees each other, produce condition which predaposes to renal discuses. These discuses are drait with by resection of the part affected or by removal of the Lidney Von Lacoresson

BLADDER, URETHEA, AND PERIS

LOUISME Therapoutic Flatulization of the Bladder (Sur la fetalientien tiefrapratique de la vestile) I do med de Bordones, prij zine, ha p. By Joseph de Chirages.

Louncau gives his personal results in twenty five cases in which permanent bladder fistula has been made y of these had painful cristics, and or chrone, a bladder or prostate tumor; one urctor-rectal fattal. In y case the cystics was due to rehercolosis, jeucoplasts, or bichloride or cantherides poisoning. Many I these cases were immediately reherred. In 3 cases of chronic cysticis, prostatic or kidney in origin, there was no relief. A suprapulsic fictule was made of times a vagical fetule 3 times and once combination of the two. In cases not reacting to this treatment there is contraction and aclerous of the bladder

Onamon reports three cases of personnent fetals with brilliant results. In one case of primary tuber culosis of the bladder the relief was marked.

J Desm



1 ig (Bonamy and Dartigues) Excision of the desired parts

Bonamy nd Dartigues Techniq e of External Cenitopia ty in the Mail (Technique operatore de la gristo-passie masculaire extence) Press sed., Par 9 3, xxi, 93. By Journal de Chrurgio.

The athors have nuccessfully applied the technique they describe in a case where there was elephantisal-like condition of the whole cutaneous covering of the external generalia which the microscope she cit is the diffuse lymhangioma. Total emasunizion had been advised by other surgeons.

This procedure combane exercis and plantic repair. It commands of three main steps () excision of the diseased parts (peno serotal decortactus) (s) making of new acrotum with an opening for the stripped penis. (s) embeathing of the penis by means of tw. lateral kin flaps

Pero serotal decortication is carried out is follows. The skim incusions ortilize four-sided fare. The upper inclusion is bortantial and crosses astronely the symphy as public bove the most of the peris the lower is parallel with, and boot an local too, the lower border of the acrosim. The lateral locisions are both vertical and unit the each of the peris and lover crust. An additional incusio is drawn inequitives in the dorsal middless of the peris drawn inequitives in the dorsal middless of the peris continuous continuous desired and the period of the pe

let uride uncide on the operative field. With dissection fovers and bail the right and left iddes, and, maily the under nuries, of the penis are striped of all diseased shin. To do the same to the analor of the diseased shin. To do the same to the analor place of the section as whether of the servest flap white that the distribution of bullet forecasts in flap. The left hand of the surgroot grays after the forecast operator and pulls them downward flap. The left hand of the surgroot grays after there forecasts operator and pulls them downward between the things, while an anxistant draws the pean upward, out of the way in front of the pelis, and holds it there. The teatlers enclosed in the forecast layer and vaginatis are next brought out. It bestby they are left alone if diseased, exartation, on one or both sides, is performed. If hydrocel is present the various is reserved.

The ending of one severe in simply effected. The ending of one severe lover, respected, incision on level with the upper preparation location on level with the upper preparation location of the constraint of the medical part interpolation, while there remains in the medical part interpolation, two or two unto medical constraints of the cons







Fig (Bonamy and Dartigues) Making new acrotum with an opening for stripped penis.







Fig. 3. (Bonamy and Dartigona.) Embesthing peaks by means of two lateral skin farps.

incision, lips of which are suread apart by the two arms of thumb forceps, which the surgeon works with his right hand, the pens is grapped with another forceps beld in the left hand and brought down through the site. It is then left hanging downward, the scrotal and prepulse edges are sutured

with linen or allkworm gut. It remains to provide a new skip sheath for the penis which hangs in front of the new acrotum in its new permanent position this step the athors style sexile nes serination. On each ade of the pew root of the penis, the surgeon cuts quadeflateral flap shightly oblique outward and downward, and the hinge of which corresponds almost exactly in position with the lateral and vertical borders of the new acrotum. It is emential, however that these flaps should have an abundant blood-supply and, therefore, the limiting inclaions must not come too near the apper prepuble, incision. The length ad width of those flare must, in each individual case be fitted to the size of the pens, care being taken always to have abundant, rather redundant, mats rial insufficient flane may lead to martial failure compel later to resort to complementary skin graft These flaps are drawn and folded around the corresponding half of the penis and sutured together

When the operatio is completed, there are five these of sature via. A longitudinal senser on the doctrum of the pents one similar on the ventral appect of the pents short transversal stature just above the toot of the pents chronic stature plant between the tool of the pents of circular sature around the univary ments and finally how on it, the hortzontal seroto-public sature above referred to. If the glands were not deeply lawleder and lift was possible to space senal healthy part of the foreign, new prepace and contary relieus can be made.

As rather large dead spaces are left in the connective tissue, hemoniasis must be very thorough, and it is best t drain in the most dependent point through special acrotal stab wound, if need be

A retained catheter may prove accessity in some cases in the author a case, however the patient easily vokided prontaneously. Again, the operation started copious lymphetic birecling which did way with the considerable infiltration of the conactivatismo: the latter before the operation, was more than an lack thick.

J Domour

GENTTAL ORGANS

Sochtschin Tersion of the Testicle (Volvalu Tatle) Calcurde 0 5, xxxli, 51 By Zentralki, f. d. ps., Chir, u. i, Granych,

By Zantralbl. f. d. gas. Chit. n. f. Greargh. This is a rare flection and the literature on the subject is acousty. Bogdanfley has collected the greatest number of cases.—filty cases of robusin testle, with three personal observations. Grunerity

statistics comprise 3 cases with one personal case. The author's case was their of fourteen-praried pattent who was admitted to the hospital is a sense serious condition. He compalised of vomiting and severe pains to the scrotal region, which began scadingly dening defectation the day before. The red and very sensitive to present the temperature was 317 or present. The temperature was 317 or present.

The testicie and epididymia were covered with blackish green spots, and the veins of the pleans were thrombosed. The testicie could be easily insated, and fit was seen that the was had been twisted fully stoff from left to frien.

The anatomical conditions for the development of volvulus of the texticle are the formed in an abnormal development. The pathological tod as a tomical investigations of Keith, et al, have show that in a texticle in which volvulus had occurred the peritoneal fold attaching these sommal texticle was either taken or becommally long.

Nicolodnii regarda trauma nd forced movements of the body as etiological factors. Klinger and Winiwarter believe that the increased pressure of the abdominal wall plays role or was probably the cause in the case described by the author. Therepy naturally is purely operative. Son vor.

Baifield Vaccatemy Radiography of the Seainal Ducts. Sarg G see & Oles og 3, avi, 503 By Surg Gyoc. & Oles.

Several years go the author devised and desembed inrigation of was and vesicle through vascotomy whereby the entire genital duct, from cylidity mis to urether, can be medicated with any solitable solution. Experience with this procedure less shown () that many cases of given incurable through treatment of the urethra (because the discharge proceeds from the resides) can be thus cured (2) that was and vendle may discharge their contexts int the prost tic ureth not merely by ejaculation but also by nper ex ed peristaltic o traction - a function which explains some cases of mysterious pyuria, hematuna, phosphat ria, and tramsent albuminuris althout disease of Lidneys. bladder or urethra that in f et the bladder may be a reservoir for the seminal as a Il as unmary ducts (3) that t xemia may proceed from chroni nfectio of the seminal vesicle by the colon bacillus as well as by the gonococcus that obstructions to the pass age of spermatozoa from tests t urethra causing sterinty are frequent the vas and saculat its

More recently he has utilized resostomy as means of radiographing the was not vende which re thrus filled with collargol sol tion radiograms reveal, among other tems () the ocrasional transformation of the effected encheanto pus sae, or pyoresiculous () the possible

struction of the ureter with consequent kidney symptoms by an niected vesicle - condition discovered through operation by Morga and EDWARD L CORNELL Young.

Gleason Hypertrophy of the Prostat By Surg Gypec & Obst. J q 3, zcvi.

Tandler and Zuck rhandl have substa tially advanced the knowledge f the anatomy and surgi cal pathology of the prostat by the following pornts That the anatomical capsule of the prost t is

derived from, and a intimately connected with the endings of the pelvic favors that meet around the gland

1. That it is impossible to emuleat the prostate out of the capsule, it can only be dissected out

3. That the prostatic capsule of the surgeon consist of compressed prostatic trisroc-

4 That hypertrophy takes place only in the central lobe.

5. That enucleation of the hypertrophied prostat occurs inside of circular layer of comprehed prostatic then detached from the central part of the

6 That this part of the gland is interwoven with the proximal end of the urethra. 7 That malignancy I the prostata is observed

from earliest childhood until old age. The etiology of hypertrophied prostata is un-

known. The author quotes Wilson and McGrath be have done extensive work along this line. These men state. A hypothesis has yet been advanced hich Ill adequately explain the cause. Frerer

after studying one thousand cases of complete enocleation states, I have t confess that I have still no insight into the origin of this disease. Conditions requiring prostatectomy re

When there are three to fifteen ounces of residual mina.

Extreme over-distension and dribbling.

Retrution from tim t time.

A Ability t rold some urine without use of catheter

5. Entire dependence on tatheter

6. Complet retention a d beginni g infection. Sympt ms of prostatism. Primary symptoms are () I requency f micturition, becoming more difficult and prolonged (2) The stream starts slo ly and sometimes dribbles - folio ed by a sense of fullness, burning pain and distress. (3) These ympt ms gradually become more and more pronounced and partial or absolut retention may or may not i tervene

Secondary symptoms are Insomnia, loss of appe

tit , strength, and weight

The proper anti-operative treatment is very essential, in regard to the proper action of the skin. Lidneys and bowels. In septic cases perincal or suprapubic drainage abould be est blished as a preliminary measure in treatment.

In the choice of an operatio and the technique used one should deliberately weigh the evidence presented, and keeping in mind the element of safety choose the operation that will promise the most in orable result in the individual case. With the present knowledge of the anatomy and pathology of the prostate, the suprapuble method should be the operation i choice unless ther are strong contra adications.

The thor holds that the dvantages to be gained are

It provides absolut control from the time the urine is first woided through the methra.

It enables one thoroughly t explore the 3. It is less Mely to be ttended with painful

complications (such as inflammation in epidulymis or testicle, or wound of the rectum) The do.ad vantage is that the suprapuloe wound usually re-quires longer tima t beal. Frever method of complet enucleation is the one of choice.

The perincal operation should be reserved for cases presenting () Hard fibrous prostat (2) When the gland is situated well dow t ward the perincum. (3) If condition is complicated by presence f at ne (4) In fibrous or maligna t cases when the gland must be dissected out. The method of Young is the one of choice.

The uthor concludes by mying Prostatectomy is not an operation to be attempted by a inexperi

enced surgeon. II A. MOORE.

MISCRILLANDOTTS

Leg eu Papin and Maingot Radiographic Ex amination of th Urinary Tract (Exploration radiographique de l'appareil urinaire) Paris: Gittler By Journal de Chirurgie

Radiography can give invaluable information regarding the anatomy f the urinary apparatus. When sufficiently deficate technique is used the shadow of the kidney is seen in three-fourths of the cases and not only the position and relations but

also the shape and size of the organ can be determined

The renal blood vessels can be well studied by tadiography after their injection with opaque material. The authors have thus demonstrated the powence of end-arteries and the venous connections in the kidness.

By injecting into the urinary tract 9 per crut collargol it is possible to obtain good pictures of the hydron, calices, ureters and of the changes in shape of the bladder

Resimple

By simple radiography or with the aid of opaque cutheters or collargo, the anomalies of shadow and disorders of the kidneys and unstern can be account of or. There is no other method of demonstrating these things as accurately as does the radiograph. The same is the case in treat irentation, to a wish one of the chapters in this most excellent and original work is devoted.

Search for calculi in the chary apparatus is still be commoned came for winner raddowy, as it is best know to the physicians at large. Now with pool trichington only ort year cent of stoose in the kidney or ureter are missed unless the stoose are year; small or the patient very stoot scales the patient moves, or the stoose is made of uret acid. The existence of diverse the days often makes the backstance of diverse the days often makes the with his too that considerable experience. The problem as generally less difficult to days for stoose and foreign bother in the blackbut is the foreign of the considerable in the blackbut is the considerable in the blackbut in the problem.

The study of morable or tuberculous kidneys or of renal tumors is often facilitated by the \(\lambda_{-1} \text{y} \) as

the numerous peratives show

Finally the possibility in certain cases of studying the condition of the prosest and the caliber of the methra completes the review of the uses of rading ranby in this connection. R. LENDOW-LENARD

Marion Significance of Hiccough Following Operation on the Urinary Trace (De in spatication of hospit post-operative char is urbaneu. J & Und 9 3 m, flu. By Journal de Chicupe.

Hicrough similar t that observed in peritouities or in certain hysterical patients, occurs not infrequently after operation on the urinary tract. It lasts for hours, may internit for a waitable time, recurs without apparent cause and so goes on, not interopently ending in death after several days, during which time the patient has become progressively endeded and topped.

Mation believes that this symptom is it is greater supprintly of cases a number manifestation, an evidence of "anotemia. Four replicate with presented this symptom thousand a coincident market increase in the quantity of urea in the blood (5 agreed) to the property of the process of the pro

Bachmann: Vanereal Prophylazie; Why It Sometimes Faffs. J. Aut. M. Art., 1915, b; 1610. By Surg. Gyant. & Olst.

The author reviews the swot of Rossell and Nicholo of the U.S. Army to demonstrate the value of calcular distances and other authorities are prophysical against geomythous. Their experiences were made in case of acute geometrics. The obstainment was injected into the surplus and retained friend educates them washed out by ministin after collisions of the contract that the contract of the contract was calculated most accurate spar and or ansioned with Gram's salent spar and or ansioned with Gram's salent spar and calculated with Gram's salent sparses sell yets articled. In the first 3 per cast calculated with phonon and camphor in handle and and was used. It is forwer of elective in severa of the chief is beauth and a proceed serious proper and other collections and a process of the collection of the collection and a second serious collections.

Backmann in false appearure in different sense in a infected women used the new calinest (13% per cast calone), per cent tricread in bemofasted and and obtained negative results in all. Two single-state of the contract of

The author calls attention to variations in the ingredients and their proportions making up the clintrents and also the difference in technique of their application as causes for failures. H. G. Haupa.

SURGERY OF THE EYE AND EAR

RYE

Brawn The Relation f Accessory Carity Diseases t the Eye and th Orbit. Oke Si M J 9 3, m, sec. By Surg. Gynec & Obst.

The close anatomical relationship of the eye and its appendages t the nose must be granted relationship of the blood upply is also close sinustis the f lio ing symptoms are often noted headache, variously located but more or less enstant infra-orbital supra-orbital neuralgia aathe nopia, amarting and burning of eyes and eyelids, or acut ocular fatigu on close work. Hyperminia of the conjunctiva, orbital cellulina, becess, exophthal mos, ordema of lids opts neuritis ad panophthal mitis are frequently associated with as us disease. Sixty per cent of the cases of bital inflammation Then follo are of known pasal rogi of seven cases 11h orbital or ocular disease mprovement r cure follo and treatment of the causative disease in every case. The article is illustrated by eight photographs of anat mical specimens dem onstrating the relations very clearly

In the discussion, Struct brought out the affection of internal tomesias on the small structures, or plaining that an intential to-intorication may consider occlining orderns and that ader these conditions the stated secretic becomes purelent. Woose brought out the import not of more careful result estimation in the conditions are not of the careful form of the conditions are not of the frequent complication of sizes desired in actif infectious disease. Care is Fostas.

Lang The Influence of Chrenic Sepsis upon Kye Disease Lexus, Lood o 3 channy 308 By Surg Grass & Obst

Lang has been credited as trist t recognize the connection between py orrhors and the inflammation of the iris and in this article tims up and illustrates his observations. The nature of the posion be has not determined.

Of his series, t hundred not fifteen were stiributed to hronic series no hundred and sixty orghi t all other recognized causes. Of two hundred not fifteen tonic cases on hundred and thray-nine were due to pyribona, others t sines inflammation, allmentary toweints and methritis.

Though chronic sepasa may cause inflammation in any portion of the eye the ureal tract is shown to be most frequently involved. The ten cases cited marries the rapid recovery that follows removal of the causative factor.

EARLY B FOWLER.

Dwyer Th Use f Vaccines in Eye Infectious. Arch Opids 9 3 xid, 227 By Surg., Oyner. & Obst.

From his observations of 300 cases Dwyer states

that vaccines, properly dministered, are agents which have no equal i certain cases of eye infection. Of twenty-seven cases of bordeola, in all of which some strain of staphylococcus as isolated and an autogenous vaccine given twenty four have been entirely free from the attacks since the treatment. The dosage was no millio incressing to ,000 million, given five days apart and seven or eight doses in all, two after the condition bad cleared p A general improvement in health was noted in most of the cases after the first injection. Further twelve infections with the t bercle badillus to re ported diagnosed clinically and by the tuberculin reactions. Of these five phlyctenular co juncti itis and Leratitis cleared and have not recurred. One case of tritle, three of keratitis, no f choroiditis and two of episcieritis all responded rapidly t tuber

The poneoccus vancine was used I two mass of this with rapid clearing, and in four cases of con junctivins the author believes the course was me historized by the very large does given. A presence-occle alere of the cornea responded very attactorily in three cases, in staphylococide discretily in three cases, in staphylococide discretily in three cases, in staphylococide discretily in three cases, in the staphylococide discretily in the cases. A proper discretily in the staphylococide discretilistic discretilis

culle injections.

EARLE B. FOWLER.

all A Study of Some Forms of Congenital Cataract, with Special Reference t Their Clinical Significance. Lance-Clin., 9 p. ch., vst. By Sup Cynec. & Obst.

Val describes the embryonic development of the sea and discusses the different forms of congenital extenct, following the teachings of Collins and Mayon. I the disk-shaped or nuclear extenct he may be a substitute of the needly operation of the control of the control of the with its force; a through a small corneal incident, after having made good-sized indextom. In educated clauses an indicatorny may be per

f med early and nother operation done for the extanact when the lens becomes fully extanactous. In cases of catanact with considerable operfication of the lens, it is generally a mintake t considerable medilling, as the operatics are impolable and are irritating when hierated C. G. DARLENG.

Simpson The I tra-Capsular Operation for Luturact filer the Method of Professor Erancies Optic Res 0, 1, 221 241 By Surg Gruet, & Obst

Simpson describes the litracipnals operation for catar ca alone by Standerlan The upper life is bell it double bood retractor of 1 from became of the operation of those if all room became light. The lars-son is the corner time larger than the ordinary is brieferomy is under the according to the larger day of the larg

hen) the pupillary realt is t med perpendicular t the surf of the lens and by alight pressure

back ands made t lat the at the The constar titers as ruptured b side-to-ude

I up-and-don monement. When the less is cover the forces to opened all removed. If the capable is to rail towe the openius agent on in the until it is to the less it lose court usous persons to the openius and the spool test the central allothing the control of the coverage allothing the control of the coverage allothing the control of the coverage and the cove

Complete Five Cases of Herselitary Cataract.
J Opics Ocel & Lery pel 10 3 mm, 44
By Song Gyace & Obst

Campbell report operating is cases of hereitary tra occurring in three persons with a fain bit hist ri of seven or store in the same I mill all developing taract better the tipe get of its mit is and I only star in eyes previously normal

I the first lase seen by Campbell, cat tail a depend it it eight to one or and i that there the forther Case the brother of Case there thought on the brother of Case developed larget the case of the case the brother of Case of the cas

the ge of t t) three an operation for extanget on one ey (amphed) operated the other ey one and half can later. The it there of these pattern had been operated i reataract be thirt ears of age. The father uster and count also had extanget to an outline of C G Dazaroo.

Jennings The Remoral of Senile Cataract Before Maturity - Med. Hereki 9 3, 2001, 97 By Sang Gyac. & Obst

Jennings denses the removal of extenses bentamature if vision of both eyes is low.

He maker is corneal incasion it bout junctival day uses capsule forceps for opening the expetile.

and taken out the cortical neutrer ith all solution, using glass top syrings introduced ell doutest the lentenium space. C. G. Danzano. Meeding. Another View of the Extraction I. Capusia Cataract Operation. Int. Opini. 4, 3,

Capsule Cataract Operation. Arth Ophth 4 js., hit, as)
By Surg Oysec. & Olat.
Meding gives the reasons for the study of the
India cataract operation under Col Smith as these

The crying need for relief from immature estatute describination in the cat ract operation he as using because of the capsule remnant left behald at a satisfactory council results.

With tribut to Gol. Smith, Medius tells of the operation and bit experience like it. The main one power tilty debickling difficulty of the operation to factor of pressure the pressure to pressure the pressure the pressure is positive, controlled and safe special positive, controlled and safe special pressure is positive, controlled and safe special pressure is positive, controlled a Accopperate assumant becomes the sample consequence of the pressure that th

hypermature.
The field is prepared by douching with 1000 bethinde nd lithout rabbing aqueeting or evert ng.

Easts B Towara

Stabil Contribution t the Pathology of Hemorrhagic Glancoma. In the Opids to 1 side 1st.
 By Song Grace Conc.
 Stabil go es detailed sucrescope description of

three didatonal cases of harmorrhages glaucous and furnishes further data t corroborat the fadings of others namely that marked oil typical changes in present to the central resels. Although sensicross entions of the optic nerve are made, the pathological changes or appraisonaly eleculated by componer figures which perture axial sections of the central artery. The greatest changes on found the name, but not located in the region of the lamina cribrosa, here as rule they ha been described. I all three uses more or less schroes as found in the central ritmes and cana. greatest hange orosated of true hydrops of the entima Ib., buch constit ted the principal came for the endartents, thickening and attent is laid on this adequatous ourhing became acute and trusactors exclusion of the casels ma rends from M. The fact that the endothelium as envalues intact furnishes proof that thrombons had not oc curred. Vascular changes are also found the chorood, thurs body and are. These changes have led t the recognition of hemorrhapic glaucoma as separat disease from glaucoma. If wen have

Hallett with the few of making an indectorary references more forwards did no atternor activation; its spin-ter tome as preliminary effort i reduce this betallout in case of typical gard plancess. Four posting the injections, for one week, it is found that normal tension had then restored and that devision had improved from fingers at ax feet; to alpon, Allet four more wreck any on a serconded and the parlient enabled it resume has former occupations.

The antho kept the case under observation for neried of t enty-one me tha, ad altho gh the field was much contracted and deep glancomatous cupping was present the vino remained the same and the glaucoma was pparently arrested

TRANCE LANE

Hird A Case f Enlargement of the Eye-Ball OALL Res 9 3 XXXX 37 By Surg Gymec & Obst

The parient was boy aged eleve who had the condition since nfancy Examinatio revealed the following left face nd ear ppeared t be taking careful little larger than the right but measurements I all directions by slight enlarge ment of the left ear could be made out th certainty The left palpebral fissure was littl larger the the right and the in spot of the fact that f anything there was slight nophthalmus. When the globes themsel es were compared the differen was very evident, the left ey ball presered much larger than the right. The corneal diameters were left vertical 3 mm, and the bornso tal 4 mm pupil reactions were normal but the left was larger (4 mm. dlam) than th right (3 mm dum.) haing distant object in relinary daylight. There was

no tremulousness f the iris in the left eye and hen the pupil as dilated the edge of th Iena could not be seen and therefore did not appear t be small in compariso with the rest f the eye. The left anterior chamber was durunctly deeper than the right Intra-ocular tension was guite normal in both eyes. There was no evidence I stretching or thinning of the scierotic coat in the left exfundl were quite normal a th not the slightest sign of any pathological cupping. The physiological cup

was normally present in the left eye

The child was myopi and as there was some ciliary spasm he as put under tropin (few weeks. It had no effect on the tension in the left eye hich remained t normal a th aldely dilated popul. After nine months the conditions ere unchanged. Fuchs states in his t atbook that infantil glasicoma may com t standatill, and of course, this case may be an bortive ne. The antho thinks the simpl hypertrophy (the globe EARLE B FORLER

Pooley and Wilkinson Blindness of Left Eve Do. Pressure of Distended Maxillary Antrum.

Ophile Rev 9 3, xxxx 30
By Surg Gymes & Obst.

The case reported is that of OTHER TO YEARS OF age who gave history of left blindness coming on in twenty-four hours with no other symptoms except periodic headaches. I examining the eye there as no perception of light, pupil mactive except t light throw in opposit eye media clear and funding normal. Puncture of left antrum as followed by an escape of straw-colored fluid. Operation through the campe foun with removal of polypoid growth and an opening for permanent drainage int the

nose as done at once. Visio improved rapidly

up t normal bout the twelfth day The case is summed up as ne of pressure o th

ptic nerve by displacement, pward of the trum from pressure I the cyst within. This is a rare condition and no report of a simila case was found by the thors EARLE B F LEE

McReyn Ida Some Impressions of the Oxford Ophthalmological Congress and the Ophthal mological Section of the British Medical Association t Birmingham. Tex. St J Mal 9 3 VId, 33 By Surg. Owner & Obst.

Three fourths f the combined sessions was devot ed to the consideration of subjects 1 troduced by

men connected with the provincial governments.

M Reynolds says, considering British ophthal mology that broader view I the field must be taken since Col Smith has performed more than t coo cataract extractions d M io Elliott has done also t 400 trephining operations for gla coma British ophthalmologista generally are not vet ready to dopt the Smith operation, the consensus of opinio being distinctly in I you of the combined extractio whether intracapsular not There was strong endorsement of M cEwen methods of urreating the anteno chamber and vigorous opposi tion t the early performance ! secondary opera.

I regard to glascoma the general pune pre valled that correct iridectomy was resonably effective in acute glancoma and that experience indicated that the methods of Elliott and Herbert presented marked dvantage f r th chroni types C G DATES

tion on the carmi

LAR

WII A Case of Mastold Abecess without Otnerhose F M Sens-Meall 9 3, 21 55 By Surg Gynec & Obst.

The 11the reports an interesting case operated a for mastoiditis in which torrhos was beent The patient presented diffuse orderna ver the masteld and som tenderness on deep pressure. Otoscopi examination showed thick, red but perfectly intact drain membrane. His condition was normal otherwise except for the loss of weight

After the mastoid was opened, the hard hone was found softened and necrotic, with pus f rmation in places. It extended t the mastoid pophysis, upwards incl ding the aygomatic ells, backward t th ridge of the lateral sinus, and forward nearly t the posterior wall of the mentus. The wound healed rapidly and completel and the patient abowed improvement in general. W LITE II TEXASOLD W LITE II TERROPOLD

Voorbees Serous and Supporative Labyri thitie: Differential Diagnosis. Boston M 9 1 clavell, 7 6. By Sorg Oynec, & Obst.

Operative procedure in serous labyrinthitis e sults i loss of hearing whereas fallure t operat



SURGERY OF THE NOSE THROAT AND MOUTH

Lawner: Tumors in the Neighborhood of th Ostium Pharyngeum T bes (Geschwickt in der Gerend des ostum plany ngrum Tubes) Houstrier f Olersdeilt Lary pr-Rhand 0 3 1, 262. By Zentralbi f d ges Chir Grenageb.

A young physician, who since childhood frequent ly suffered from angina and nasal atterb com plained for t o years of symptoms pointing to closure of the Eustachian tube. Hy means of posterior rhinoscopy and salpengoscopy yellowish white tumor the size of pea was seen on the upper surface of the right t bal opening, in part covering the tube and in part compromising t. A second small tumor was situated in the pharyngeal tomal The first tumor as removed through the nose by means of snare and the second was removed a th the entire tonsil to taining t Both tumors ere cysts bied by flat epithehum. They ere probably due to epithelial inclusion and vatu degeneration. following chronic inflammatory processes literature of benien and mahemani tumors occurring

in this region is given KLEPOKRENID Kay The Tonell Question Agai Lorente Vont 0 h ztz, 353 By Sunt. Gynec. & Obst.

The purpose of the paper is t maint that the operator use judgment selecting his cases, and sur gical skill in carrying out the procedure. The uthor first takes up the essentials of the embryology snatomy and physiology of the tonsil with its lif history and the evidence in support of the bebel i an internal secretion H does not believe that the tonels play any great part as portals f entry for infection in either rheumatism or t. berculous

His indications for removal are as follohypertrophy causing obstruction, cases of frequent recurring attacks f followin tomsilitis in relapsing attacks of peritonsular abscess, and in growths originating in the torsal, also in som torac conditions where the crypts are large and contain decomposing masses. If does not consider that the respoyal is indicated to middle car disease nor as cure for the enlargement of the cervical glands.

I the discussion there was little che brought out as all of the men felt m ch as the uthor dad in crard to the indications The majority were in favor of tomallectomy in every case though small portlo of the lower pole might be left t functionate.

LA 12 B FOWLER. Carter: A Simpl nd Satisfactory Method for

Removing Adenoids ad Tonsile. Hel fer-0 s. lerrun, 086 By Burg Gymec. & Otest. In removal of the tonell with the capsul the an-

ther uses spiral tenaculum which consists of two

spiral prougs, each compassing half—circle attached to a long, slender shaft. These prougs are mad only a half circle in length in refer that it may be quickly and easily engaged and disengaged. With this the t nall is pulled toward the median line tonell separator consists of a short beveled blade, curved on the flat sharp both sides and the end and is used t cut through the plica and the mucous membrane along the margin of the pillars. The toesd is pried out from its bed using the separator The removal is completed with an lever Fyr spar

Adenoids are removed by no sweep fa Gottstein curette and the naso-pharyax wiped out by guare wrapped around the finger CARLE B FOWLER.

Hepe Laryndeal Tumor Treated with Sciencel. Free Rev Sec Med 0 5, vi, Laryngol Sect., v6. By Sung Cymer & Obst.

The case reported was male 33 years old, suffer use for several months with increasing dyspaces. Examination revealed the right arrienoid and entricula band repla ed by large red, mooth saelli g, non-mobile. Nother cord could be seen and there was practic lly no giottis. Diagnosis was made of awelling abov malignant ulceration. malignant ulceration. There was definit thickeni g on the right side of the neck over the right ala of the thyroid ad a small bard gland could be namated

Operative treatment was not dvised because of the patient general condition. Seleniol (3cc.) was injected three times week into the deep times near the right als of the thyroid cartilage. Creat relief was experienced after the second i fection.

One month later by the direct method is

berge fungating mass was seen involving the right side of the eregiotus on to laryngeal surface extending down through the giotta. Two weeks later the man bad largely disappeared

Selemol is an electrolyti colloid i the metal selemma nd may be i jected subcutaneously intravenously or directly uto the tumor. There is absolutely so tonce effect, ad the growth is said t either broth or liquely CARLE B. FOWLER.

Lery Laryageal T berculosis. J in M du 9 j lz, 5 š. By Surg Gyner & Obst.

The author emphasizes very strongly the im portance of early laryngeal examination in all cases of tuberculosis, referring to the strong way this has been brought forward in Germany. Among the earliest signs we find slight intermittent boarseness. It is followed in many cases by unflateral lesion with or without slight redoess and moderat swelling, usually occurring on the same sid as the flected be g. The other of the rule deposit is the bom now the in freq entit marked by early paid and how a by phreveal samilation is clin in sembed paid softenation of Fig. 1th small get in the the content of
I In of the threat the thorast postes
Rest of the ocal organ vaccated the general

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4 Ih use of t bereult Laria B Tos.

Richardson The Treatment of Laryngeal Stenosh Fellow! g Diphtherla Bester M & b / J s 1 m 40 B Surg Gynci & Otac

Stenory | the Irina fullo use track of the grant pulpithera or no not a per-tent if the case. If no grant plus the result is poor at the case. If no grant plus the result is poor at the tot technique (expectual in the use I ordure moot if force) produced the table of the control of the cont

The proph law gruest those and how the fourth the source the sol caref By selected that not the solid law of the straight rethral to the solid law of the solid

B Jose En

Higgins Apparently Non-Suppurstive Nasal M Disease II II J 9 3 22 600 B burg Gynn & Obst

The thorbs in ten original ritel describg freque tly adagnost ed non-suppositive must discuss of the accrossory stames, nonsective like pas and characterized by a stery moves de-harge uneeding, expectally i the morning archae, due t reflex irritation, cough, day or in paranyase, parm, saring i location with the sizes brodred, parent saring i location with the sizes brodred of almost deet t must congression, authoropies and disturbance of the warm facel. The physical signs of the state of the product of

sounced. If this has hisologists has erred in the belife that all aims disease trust reveal listed by the postures of post either by drainage or demonisted be negative pressure as principle. Highes agency. The levi socious principle. Highes agency is the levi socious principle. Highes the finding of per may care the media-poet and otterated here treatment is greatly precipled for there is mainly as disease. History as durcharge of yet this sofficers pathology product polype, grain bits there and necessarlong as ellow seculated.

The thor ashorates operation in criain cases of negative and increase as ell as some supporter to check as ell as some supporter to seek to both the usual diagnostic negative for the cases to both the usual diagnostic negative for the cases to be the usual diagnostic negative for the cases of the cases

fg) or Suspension Laryngioscopy; (th Report of Cones, Lawer C + cit, 70 B Surg Gyarc & Obst.

The article tells of the manner in bich this mathed as discovered by kullia exact description of the majoranes to disc tendings of its use report of air, lagnost and operative cases demonstrating I and antager.

I this method hook spatials help usefules the tempor blade is suspensivel from sullo it. Hereby doing was the the necessary of bothing it and permitting of direct assensation of the larynet, the pulse it has puts in the donal position. The pulses their puts grant the proceedure saffert both the document can tolerate produced operations.

th the larrax and a not annoved by sabrus or blood flowing int tracker. The operator orks in an asy progress, ask both hands free, and has a kerbid of son that hands free, and has a ample up a for all necessary manupulation. The publisher and the surgers of the laryux can be better demonstrated to the students in the method.

F ELE B FORLER

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GENITO URINARY SURGERY

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INTERNATIONAL ABSTRACT OF SURGERY

OCTOBER, 1913

ABSTRACTS OF CURRENT LITERATURE

GENERAL SURGERY

SURGERY OF THE HEAD AND NECK

HEAD

Tuffier: Traumatic Facial Hemispasra (Hérispasse facial d'organe traumatique). Ball el sem Sec. de cin de Per 9 y crezz, 506 By Journel de Chirargia.

Tulier presents ma thury-seven years old who was hit on the head and had frecture of the bony and those was hit on the head and had frecture of the bony and those and followed by supportant in the haddle ear. Slight feed heartlysis with faceal symmetry can on shortly and at the end I are wreta was accepted by symptoms of facal grouns. Ith both gross and fibellary contractions and some trouble with the early.

The cause of the spann is easily explained. The initiant connection of the fixed points and the typignale cavity makes it easy for the nerve to immated by the products of a model es discussed to develop motional troubles. This beam of exclusion ments after the fire not, bonnetimes there is all parame but there not incontainters between the tracks of spanns are seen exclusionaries between the tracks of spanns are seen exclusionaries and the error of the error of the production of the error of the production of the error of the production may large for some time, error see the error of
eral years. Tuffier a patient, after some weeks, seemed better and probably still recover entirely desput the fact that there are permanent auditory and equilibratory disturbances, for there is no resc tion of degeneration. The prognosis is good.

J. Dukoort.

Earl The Limitations and Possibilities of \(\) Rays in Skull Disgnosis. J. Larct, \(\theta \) 5, xxill, 90, By Serg., Gynce & Obst.

Changes in the soft part of the brain, such as meningith, becas, hermatoms or soft tumors do not produce sufficient change in density per set be recognizable on the Röentgen plate. It is mainly by their effect on the bot parroctures that diagnostic signs are obtained. Among the conditions producing local or general thickenings of the cranium are rickes; symbiles, accompany and oscidis deformants. Localized destructions may be enclobedoma or metastatic tumors from the thyroid, mammary protests oversy or superseral gland. An intracreasis tumor may cense is unstelled local thinking of

the skull by pressure strophy
Changes in the sells turnics and region may be

d to bypophytial temor or to other basilar growths such as tumor or cyst of neighboring structures. Primary conditions of the spheroidal since may alter the form of the sella with or without affecting the bose struct or Asign of general interession all pressure may be found in the digital impression of the will of the crustum-scaloped impressions separated by ridges corresponding at the ordiness of co-vinitions. Other compression signs are the widering of the channels for the digital views as when the diversions alous is compressed the sphenoparietal stone is seen to be greatly relarged.

The work I localising I reign bodies in the eye or orbit and the detertion of pus and tumors in the accessory sinuses of the nose is will established and used as routine in all the larger clinics.

HOLLE E. POTTER.

Brown The Disgnostic Evidence Obtained by X Rays from th Lateral Aspect of the Shull, with Especial Esterance to the Base and Its Adoera. Beene II 5 5 J 0 1, chvid, Est. By Surg. Gypec. & Oist.

Since the contribution of Calds all upon the value it he occipito-frontal projection of the cranism, the lateral projection has fallen more or less into disuse. All structures hich are bilaterally placed are superimposed one upon the other and the picture thus obscured. But in lateral projections confirms.

ton evidence ca be obtained concerning a spected pathological condition. I routal all disease etc., are more usity diagnosed the noted disease etc., are more usity diagnosed the pict res 1 both planes than the tike occipitofrontial size.

In discuse in the region of the sphenoud and pittut ry both the lattral towas is noted it executed it mplete understanding of the condition. There is a le range of ra atoms in the region of the predictary body all fishing you may not be called normal and it requires a six mount of experience it read accurately lattral projection of this region.

M ha d Tra matte Fpljepsy Del épdepse traomatives Clarges Par 0 3, st., B Zen rald (d gr. Che trangels I thi paper M rihand neledes only those sea

of tra mut priers b b follo ed brad a nes These constit t bout \$ per w tofall ages and ocur tan age though most of them are seen befor their tieth) ca. The ternal bet centhe I pur nel the bist tisch may ry gre the but in most unit mes i dues not ent halt y ar Con also to A directly wormen! b the njury in st be differentiated from those buch do not opear tall exist or month I ter. The turner for t t erebral dist rhances nel usuall disappear ont rely to the subsidizer of the symptoms hale the latter at the result of permany t hinges hish determine the on I ve tia ke. The et lept set utre hapters most fee quentl after strong men at more some all the uthor the ke that the crede I securing he great deal to it that the development I is used cases the I ry is so slight thit is must be kioked de tentu teat the citag me r bereditary predisposition t. ht. I thu law be long the cases developing after treplice operat on The thor denses that the surrical terference it self the ea se of the secures and it now the ope ion that the disease for hich triphining is indic terl must be the ause HOLEBARTE.

Brairness The Plastic Closure of Darial Defects (Unr des platinches Verubless der Daridefekte des Gehrns) Darintime hit Petersh e q By Zes rafib i d ges Char a. Grenzph.

This work covers the subject thoroughly. The author described all methods employing allophastic nativesal. It report the result of seventy-foe expension performed on deep and rubsts 3 the control experiments the defect. In this line by sear such that the same as the subject of the same as the subject of the same as to finger do not demonst formed better those rapsule developed round t. If the cont. It is not injured to discussed formed better the first of the impla 1. Deleast. the same are the every formed better than the control of the first of the first of the control of the first
transplant. I uni jured corter adhesions as not observed. The least tritation of the corter occurred hen fish bladder and living pritmens acre used.

I the second part of the ork the athord-comes bomoplastic methods. He also reports the anpublished cases I bleb a account of transaction epilepsy portion of the dura was entirpated and free fascia transplanted. He concludes that free fascial transplant too for dural defects must be go en the preference hove all other methods, Or spect I import nor is the fact that it prevents crebral prolapse. If does not consider free fat transpla t tion for dural defects practical and brings several arguments against this suggestion of Rean. The cerebral pressure laduced by the mossave pures of fat implanted, according to the author speak against is practical polication. Emilier more the fixing out res cut through the I fir time ea ly nd the liquor erebel escapes through these open r

Set profit performed seven decisive experiences and ones to be following conducions, the part and ones to be following conducions, the part and the fit is a seried of concept time in but risks of it is to be bestred. After it were to one, the rive two forms the pre-gallaries. After foo months the connective time has been one time. I say red cortex convent has been one time. I say red cortex in the fact, I may red notes h. It is known against the it. As it is used to be for the cortex in the river from the cortex in the river for the fact. I have believed the fit is the series of the fact of the control of the fact of the f

mic up-hot ogratisha accompa the monograph.

Wenglowski The Operative Treatment of its decrephishs (ther desperan Behading its it describe) Circ to it il element is 1 and to D A trill i d get Cher i Ground.

Hydrocephal e tern occurs less frequently than hydrocephales internest E en in the name extensive or less of K usch, P yr and S Branasa, the former variety occupies only small space. The thor describes an list retiling case belonging to

that class I gall monthsold persists reveiled large ollection of faul between the dura and the arachisoid. There et no exidences of creeks atrophy. I ree communication but era the subdural space and the subcutaneous connective beam of a complish that have piece of the dural of the subcutaneous connective beam of the subcutaneous constitution of the sub

I the second run of the rible the arrhor diecuses hydrocymbale interms and bases his agreement on the method of drainars used by 7.0 mm. All P. 7.1 The Mid-objections to ratrocals dra nars are the toe rapid obstraction of the fluid and the variations of the pressure confidence. On this convent the latter drainage it has are to be duranted. De verting the find in the pescal circulation or into the abdominal cavity (Causchi is the worlded ince by these methods the fluids is the worlded ince by these methods the fluid is the state of the state of the state of the abdomination of the state of the state of the subcutaneous tissue. A further dra back as the subcutaneous tissue. A further dra back as the subcutaneous tissue. A further dra back as the solid income of the draining penning. Weng lowell made an attempt 1 ood t form the between the subclumit prace and the wentride. When employing this method great care an accessary in the day to the subclumination of the subclumination of the day to the subclumination of the subclumination of a submit blidd in the 1 back ergos.

The author has used the method in tesses for a second and the masternal may be hydrocephalus internus posterio hora I the made with the anterior lateral ventricle. The fluid is drained restrally int the subdural space and partially int the subcutane d eurfac our tienze I thus for the gradual absorption f the bound The coult in both cases operated on was very good late result in one case as likewise encouraging After 34 years the hild head as almost normal in its directions. The operative techniq is somple, and can be carried t rathe debabtated children.

Archibeld Puncture of th Corpus Califorum
Cornel II (st J | 9 3 PK, 48

B Surg Gynec & Obst

The problem of how best 1 give rebet for cerebral compression from unlocalizable tunors is often very difficultions. It is generally recognized that it indicespond procedure of Cashing a the method of chacke for the purpose of pure decompression. Sometimes, however this method proves insufficiently the control of the purpose of pure decompression to the control of
The technique I the operation is a follow. On the right disk about finger's breadth behind the crossary sature and cm. from the mid lines an opening is made with the Doycen bur about 5 t cm. In diameter A alst opening is made in the manufacter is about 5 t cm. In diameter A alst opening is made in the manufacter is about 5 t cm. In diameter A alst opening is made in the same technique is about 5 t cm. In diameter A alst opening in the fall, which membrane guides the further properse of the cannots downward, till the opper call the fall, which membranes guides the further properse of the cannots downward, till the opper call the fall of the cannot be considered to the considered t

The author reports four cases i which be per formed puncture of the corpus callosum. Two were obstructive hydrocephal of high grade in infants and the puncture gave only temporary relief. Th

other two were cases of unlocalizable brain temor. In me subtemporal decompression was first done and this gave temporary relied. A accord operation was performed and the corpus callosum punctured. This resulted in control of the symptoms. In the other case the puncture of the corpus callosum was done first but relied was not obtained until a subsequent subtemporal decompression was performed. Jases II. Suzas.

NECK

Pogiticilist I It Always Possible t Avoid the Facial Twigs of the Cervice-Facial Branch of the Ville Pari in Operations on the Sub-maxillary Fosse? (Let-il possible d'ériter toubers les renneur faciant de la beache de la 7 part, dans les opérations on la loge non-ma

tllaire?) Cira. chrr 9 3, 221, 090. By Journal de Chirurgie.

Beviations of the lower lip are frequently noted after neisons in the submatiliary losses and are due either the division of the fibers of the platysma moscle or of the cervice-ficial twing of the factal nerve. They are comparatively unimportant, because, as rule they disappear pontaneously in time. It would be every be desirable t awaid there altopether if possible. According to the thors, incasions must not be made in a region limited bove by the posterior 3/of the loser border of the jaw below by like parallel with, and I look distant from the precedent behind, by the anterior border. I the sterno-masteld mende in front by a line duretly nunting the t. first mentioned.

Six diagrams abow the lines of incision the author considers safe. It may be objected that these lines remain far in front of the red where adeno-pilleg mous of a very common variety have to be drained, Pressx Farner.

Halpenny The Thyroid and Parathyroid Problem. Surg G see & Oka 9 1, 1vi, 193 By Surg., Cynec. & Okat.

The tickopy of the enlargement and percented secretion of the thyroid gland is still in doubt. It has been reparded as infection, but could not be so demonstrated by Chambers who be tericloigical methods. Chambers work, however points to the person of total or a proper of the person of the person will but when the first was boiled paster could not be soon to the person of the p

thyridd is removed the parathyridds assume the histological features of the thyroid. It is also noted that structural changes take place in the pitulisary body when the thyroid is removed. Rogar experiments indicate that there is an imilimate relationship one and Rogid demonstrate and advantable. Carl soca and Rogid demonstrate that policy lymph when injected intervenously did not give any untoward results.

Rogers disco ered thyreoglobulin nd nucleoproteid as separat substances. Minute quantities of nucleoprotesd injected subcutaneously produced acute thyroldism. The experiments up t dat have not settled the question as t whether the ymptoms are due t perverted or to increased thyrold secre tion.

In the treatment f this conditio the uthor rec ommends rest quasine hydrohromat thymoland Rogers antithyroid serum. Mong surgical lines he advises partial removal of the gland using Crile method of eliminati g fear and nitrous oxide anzesthesia. Dunbill operates in all cases and uses local anest bear.

T turn Merphological Studies in Experimental Cretinism. J Lap Mol 9 3 mll 846.
By Surg., Gymer. & Obst.

Morphological observations ere mad on a num ber of rabbits which were thyroidectomized at the age of two or three ceks. At least two animals out of each litter ere kept controls. All were weighed at regula atervals. The present paper is based on a series of about twenty-five ptorules. The important observations may be summarised as follows

Degenerative changes were noted in practically every parenchymatous organ. The most striking of these changes was scrous imbibition by the most active cells of these organs. The changes noted to the glands of internal secretion corroborat the statement that removal of ne gland i internal secretion results in changes in all the others. In this case degenerative changes were marked the hypophysis, thymus, overy and testes ble hyper physia was seen in the Islands of Langerhams and the

medulls of the adresal glands I turn concludes that in the rabbit the roudem is responsible for grave degenerates changes in practically il organs and timpes of the body adthat many of the amptoms of crets but have an

anatomical basis in organic cellula changes. I F CH PORTE

K hn The Frequent Occurrence of Mild Cases of Basedow likesase and the Favorable infi ence Exerted pan Them by lightenic-CB matte Factors (Uber die ha fer Vottormen lechter Basedow/sile und sire ginzige Besuffammen durch is giennels-klimatisch Faktoren) Had Klim

9 3. us, 834 B Zentralbl i d per Chri Greater

The utbor as aide t observe ms y recruits with mild Basedow' disease, the diagnosis being confirmed by Rehn. H ordered them t service and in spit of the severe bodily exertion meadent t service an improvement and even drappearance of all nervous and cardiac ymptoms set in. The co clusion is drawn that Basedou disease is not al ye to be considered etiologically as thyrotorucous, but that the primary factor frequently is discuss of the nervous system. The condition improves under

carefree and hygienically favorable life, even thouse absolute rest is not adhered to. The enthor he lieves fith Kurschmann that the vago sympathetic came of Basedow' must be accepted in many cases. The fact that cure is obtained by operation does not contradict the theory as secondary thyroid diagenalso may induce the Basedow symptoms. A table showing the findings of eleven cases examined in the Charité la poended. SCHLEVEZ.

Mannaberg An Attempt t Influence Basedow's Disease by X Rays Applied t the Ownies (Ober Versache die Basedowsche Krasibelt ablah

Routgrobestrahlung der Ovarien zu berindunen). Warn, Him Weburch 9 3, xxvl, 693. By Zentralbi, f. d. grs. Gynalk, v. Gebortsh. d. Gwanek.

Based pon the theory of an interrelation existing between the thyroid gland and overies the author at tempted t. Influence Basedow's disease by applying X-rays to the ovaries. The lavestigations era conducted on ten patients. In eight cases as increuse in cight from 2.4 t per cept occurred. I half of the cases the exophthalmus decreased it disappeared cutircly is one lastance. The pube rat decreased considerably in some cases, in others only slightly. Tremor was influenced favorably The circumference of the neck and measuration ere not influenced. I three cases existing diarrhoras desappeared after the first treatment. cases bick improved under \-ray treatment became onse feer the optication of the rays t the thyrord gland, the third case remained anis-Secored. LINGGE

Schloffer The Operative Treatment of Ren-dow Disease (Uber die operative Britanding dr. Bawdougthen Attachhem) Prog mes. Wilands

By Zentralbi i d man Chir an Grances

The other discusses the relations bet ees the thyroid gland and the thyrois and between the former fruste and the thyrot we golter heart. With internal treatment only tempory improvement takes place ith operative treatment about 75 per cent of the cases result it cure. Death following the opention occurs only i dvanced cacheda due to status The operation usually performed is lymphaticus. The operation usually the excisso fi half lobe, preceded i cal innvidsals by ligation of the vessels. The thyroldes inferior should be saved on account of the danger of causing injury t the parathyroids. In aggreention of the symptoms occurs immediately after the day improvement sets operation, but about t in the restlement, elemberature and tachycardia deappearing Gradual recession of the other phenomena ad increase in weight takes place. The evophthalmos persists for considerable time. N turally any irreparable ardiac degeneration remanns in 70 per cent of the cases, however general

improvement occurs.

The author then states his own results. Early operation is advised. I acut cases t is best to order rest cure, and a ait the disappearance f the stormy phenomens. The author warms against \ray treatment lodine nd thyroid preparations. \t operation isodine should not be employed and the loss of blood should be minimized. Local infil tratio is the anisathetic of choice except in highly excited patients, when general narrosis has to be employed.

Birranaria

SURGERY OF THE CHEST

CHEST WALL AND BREAST

Albracht The I ternal Secretion of the Mamma (ZarFrags der uneren Schreine der Mamma) Desirche Genflich f Graff, Halle, q 3. May By Zentralbi, [d gel. Grank Geburtah d Grenngeli.

The author comes t the conclusio that carly

removal of the breast in young lambs does not produce any appreciable influence upon the development of the animal as whole or upo any system of organs, especially the genitals d has no effect upon heat pregnancy and labor. The breast therefore cannot be considered orga of internal secretion. The injections of mamman extract also did not lead him t suspect the presence of an internal secretion. The nibor experiment confirm those of Federoff Adler Schiffma and \vita vell in that an inhibitio of the ovaria functio follows the injectio of mammary extract, even up WOMAN. to complete cessation of menstruatio but it is doubtful if thus cruce is special f mum mary extract Different observations lead t the suppositio that other organic extra t possess toxic actso. The ctle is probabl due t bstances of the nonlact ting breast whi h physically do not enter the circulatio and are beorbed ply during lactation, hen they are bit produce their habible ry action pon the ovaries.

Seinoseraki Pagat Disease (Zur Frage der sogen Pagetacken Krankhert der Brustdruse) Chr. Artä Wiljenmense, 0 z. xxxx, 150. By Zentralbi (d. ges Chir Grenapib

The treatment constated f of applications of Fissen light, hich produced no uprovement Routgen therapy produced some beating. After three years of rapid advancement with some cakartom deposits, the breast as removed of the action of the continuous deposits, the breast as removed of the cateful microscopical eministion the unbox arrived that conclinate, that it is impossible it differentiates the continuous that it is impossible it differentiates the continuous that it is impossible in the continuous that it is not that it is not the continuous that it is not the continuous that it is not t

Epstein Amp tation f the Intrascupular Thorax (Zur Frage der Amputato interscapulothoraxics) Chemerju, 0 j. xxxxii, 341 B) Zentralhi (d ges Clur Grenspel-

B) Zeatrable [12] get Char Greangeb

This operation is us of those severe surgical
attacks which are but rarely executed. According
to courst statistics compiled by Nedsjealli, ther
are 28 cases reported in the hierarture with defi-

nit data for prolonged observation. Thirteen patients died as the result if the operation. The patients died as the result if the operation. The combined statistics are as follows death d o to operation, per cent recurrence, as per cent cut-statistics are as per cent and curse lasting less than your pay per cent and curse lasting longer than one year. I per cent These figures are not so had as they seem, since many of the cases data back to the pre-antitipet age. The author observed for cases, there of which have perviously been reported, all ending I recovery.

Two types of operative procedures are employed for these cases one school (Pozzen, Tullio, Degenel-1 Ownchanikoff) employing conservative method, endeavoring t complish their purpose with resec-tion, and the other school (Nancrede Ajello, Pranischnikof, Berger etc.) employing a radical method, removing the entire extremity and shoulder girdle. The a ther proposes procedure based on the manner of spread of these tumors by the lymph and blood-stream of the shoulder. The operation consists in the removal of half of the shoulder of die. the scapule and clavari and resection of the humerus; the upper extremity can, however he saved. According to this method a woman, forty five years old was operated. She had a tumor the size of a child head involving the left scapula. At the oper atto the scapula and th acromial end of the left lavicle were removed. After several plasti opera-tions the patient was discharged with dragging shoulder but functionable hand and forearm. She died later from severe paraproctitis and sepals The turner proved to be a surcoma.

Carson Interscapulothoracic Amputation of the Shoulder Ass Serg Phila 9 3, 1vis, 1906. By Serg., Gyact. & Otat.

Carson states that this operation is indicated in a great many cases and done in very few judging by the number of cases reported. The conditions demanding such an operation are

r Transmathems of the shoulder including gun shot wounds.

Cases of extreme bone disease of the aboulder and upper arm.

3 All cases of sarcoms of the shoulder and arm, except possibly those of giant-celled sarcons limited t the lower two thirds of the humorus.

4. All cases of carcinoma involving the upper half of the arm and in some cases of carcinoma of the breast, where the arilla and arm re involved. 5 Some cases of t bercalods.

Radical amputation abould be ususted upon just

as mon as a positive diagnosis of sarcoms is made

Rosen disco cred thyreoglobulin and udeopertied separate substances Min t quant traof nucleoported njetted substancessly produced actic thyroidism. The experiments pt date hanot settled the question as it whether the a spitaness are due to perverted or t increased thyroid secretion.

In the treatment of this condition the sthor recommends rest quision hydrobroniat thymiol and Rogers and thyroid-neum. Wong surgial lines he advises partial retion al of the gland, sung Crille, and the grand, sung Crille, and the grand, sung Crille, and any other states of the grand, sung Crille, and the grand, sung Crille, and the grand all recommends of the grand, sung Crille, and the grand sun

T turn Morphological Sendles 1 Experimental Cretinism J Exp Med 4, 212, 475 By Sury Cyaer 4 Obse.

Morphological observations or masks on a maber I rabbit, inch ere this posicionamed a the age of t or three celas. At least to animals out of each litter serie kept controls All were weighted t regular interval. The prese i paper in blased on series of loot t cut in topics The important observations may be summarized at follow.

Deprementive hanges were seed of pass scaling every pursue-formators organ. The snot standing of these hanges across imbiliation to the sout active cell of these organ. The hanges noted in the glands of internal secretion combornt it statement that removal of one gland of internal secretion or statement that removal of one gland of internal secretion results in hanges in all the others, the hanges in the secretion of the properties of the secretion of the secretion of the secretion of the secretion plants were the futuals of La p hans and the meduli of the adversal plants.

Tim manifeder that the blet thirdson in responsible for grave degravars. In generalist, all organed that the blet the blet and that that is just the best and that the just the best and that the just the best and that the bletter that the blette

J L Carrieran

K ha The Frequent Occurrance of MIId Cases of Basedow Basease and the F verabl 1 B entre Electron Den Them by Hydredic-Call mattle Factors Uner dus histors k vironness leichter Basedowille and ther this new B. influence durch hydrearch bleudich it k ven. Med Alin o it 84.

By Zen ralls (diges the Generalls

The thor able toben may recruit the mid Biswlos discrete the diagnosis being contrasted by Reh. He ordered them to error du nipite of the serve baddly control incident service improvement to even disappear need all nervous a deardise supprious set in. The on chosen a draws that Biscreba is discrete and at the considered enlooping like a third records that the primary factor frequently is discrete or that the primary factor frequently is discrete or the property in the condition approve suche

ca of we and hypicalcally in biolate rest is not adher heres. Ith Karschman it cause of Baserlow's must! The fact that care is obtain contradict the theory as also may induce the Hasishing the fandangs of Charité is presided.

Mannaberg A Attem/ Blocase by X Ray Dier Versiche, die I Röntgeobestrahlung B Ion, Him, Webstei

By ZentralbL f d. ges G Based upon the the Let exp the thyroid el tempted t influence l " ravs t the over producted on ten na resecut cient from I half of the cases t disappeared entirel rat decreased combi only slight! I'er The currumlerence nere not inform дашрать фирр Two cases which became one fter the th road gland florocel.

4

Schlotter Th () then Disease Hardys when / 9 h xxylii,

The ambor deby road added ermes fruste ami nternal treatme Diac th oner for cases troubt tion occurs on! lymphaticus 1 the excession of 1 mis by limi inferior should causing of ty los of the stor operation, but in, the rentedispers ag phenomena sp The exorbith ! N turall M mains i 70 pm משטעת בשונים

The mil

cocretion is

ed in overcoming certain difficulties and a while certain dangers of intratheous resection of the certain dangers of intratheous certain desired view that only the carcinomats are the neck or near the cardia should be exected, and that the carcinomats in the middle portion about do led automorbed. In contrast t this the at the attentant the carmonat at this the at the attentant the carmonat at the middle portion but relation more requestly associated as in soperable metastaces. The carcinomata in the middle portion of cared of the expolanges at Monog the dangers of the pertion were I jusy t the g and leakage from the oral stamp of the morphagm after reser-

tion. The patient as woma 6 years old The tennor was altuated the middle portson of the coopsharus beginning frost below the b of the orta and ertending one and three fourth caches down and of the control of the cont

the diristo of some branches crossing it. During, this procedure the polar remained steady between 93 and 96. The dissection of that part of the crophagus which peaked behind the arch of the acuts proved difficult. It was accomplished by dislodging the sorts feer dividing a umber of its thoracte burnetes.

The tumor was attached to the left bronching which was not during the process! separating the tumor from it. This was afterward natured with all. The dissection 1 the complagate was to tumed all the as up to the neck. It was divided white acuterty a safe diagnor below the carefooms after double lightion the lot er atomp was invasion in the neck at the autemor border of the left atomposition may be able to the control of the left atomposition that neck at the autemor border of the left atomposition and the control of the left atomposition and left atomposition atomposition and left atomposition and left atomposition atomposition and left atomposition at

The thorar was closed without drainage. The patent made a good recovery On the seventh day when the last suitches were removed, the wound has completely closed. Freeling is done by introducing the upper red of gastrostomy tube into the cod of the cropolation when the patient willows, the food passes through this tube list the stomach. There are several methods of crophatopolasy that could be employed. The other urges early diag node of control or completely control and of the control of the contr

CURCERS OF THE

SURGERY OF THE ABDOMEN

ARDOMINAL WALL AND PERITOREUM

Kwitnert A Pedutoculated Necrotic T more the Bits of the Flat! it Region of the Unibilities (kin advotocher aber laustrower Temor wicker being gestellt in der Gerord des N beis Depicte Gesellech / Gysett, Halle 9 1 M y By ZmrithN. / d pre Gynak Geborah d Gerngeb

by Zentrabil. I dies tyrak Gebertah d Gerangeb
A ja year old multiparia, who aborted year
previously, complained of pai in the right inguinal
region. About cek later the skin is the region
of the umbidieus ruptured and pus exided 1
abort time pink tumor protraded, high later

turned black.

Bunstonal examinatio showed an empty pelvas and the uterus lying post behind the abdomination, which was densely is filtered. Ferry was present. The tumor was removed with Paquelin these not the tumor was removed with some those not the tumor smooth meaning with some those and the tumor smooth meaning with some these part of the property of the prop

terus ould speak more? If we of subserous moma of the terus than neverotic bloominals will desmoot. It is not improbable that the sulk of the subserous polyp became t lated the tumor becoming thereat t the wall of the bloomen in the unfulled respon where the furthers not plane.

Machefer Billiary Peritonitis without Perforation of the Bille Passages (Las peritonias billiers mas perforation des oles billiers) Tible de der Par 9 3 By Journal de Chirappe.

This study is based on a personal case of sixten found in the hierature. The a thor thinks the pertit used effusion—those case is really ble though the mearacopical appearance is really proof as chemical randmattons are often delivered to deal the continuous personal continuous personal collection discolerately his execution. The tile may reach the peritorial cavity through as unercognized perforation of a deaderal user, through a personation of the through the surface of the congreted liver or the whale of the pull-bladder. The fittration is happened as expected by the author The fittration is

Keen thinks it possible that when the discuse has invaded the medulary canal, operation may already he too late on account I the physiological fact that the bone marrow has a share in the produc

tion of the red blood cells.

Notwithstanding the fact that the operation is a long and techous one, the mortality is only about 4 per cent in tumor cases and 5 per cent in trauma tisms. The chief dangers are due to hemorrhage and shock. The hemorrhage may be very materially limited by tying the axillary artery and veln, a procedure which is made comparatively case by resecting part or all of the charicle as recommended by Le Conts. Carson does not think this procedure necessary unless the charlede be diseased and states that in his experience the difficulties of the operation are very much lessened by first dividing the pectoral muscles from above downward as close as possible t their origin, for the reason that it is very easy t include the artery and wen in the clamps applied to the muscles, and afterwards resecting the middle third of the clayade either without removing the percenteum, where the clavicle is not involved, or subperiosteally where the claricle is involved Having done this, the subchavius muscle and fascia covering the venets and nerves should be carefully divided and drawn outward, thus fully exposing th vessels and nerves. The artery should be tied first, the ilmb elevated until it is bianched and the weln tied. By this procedure in ch blood is saved

By blocking the perves, shock may be beened or even prevented in some, though not in all cases. depending some has on the mount of hemorrhage Ether by the intratracheal insuffiction method is the amenthetic of choice since it seems to limit shock and

diminuh post-amesthetic effects

In transmittee cases infection plays very impor tant role, yet this is not necessarily fatal complica tion since Treves operated on such came on the bartle-field and complet recovery resulted. The two cases reported by Carso - one with epitheliome following an old extensive burn of the arm the ther mund celled surcoms of the arm, probably arising from the periosteum - made good recover ies. If after these patients are up and bout they complain of lopededness artificial aboulder and arm, properly fitted all relieve this very moying HARVEY B MATTER condition.

Sternberg Indications and Technique for Arti Actal Pneumothorax in Pulmenary T berch Iosia (Zur Frage der Technik und Indikation der kanstlichen Poeumothorax bei Longentuberkulose) I whent I was I or d. Arried sikts. Obschow Krish Greater

ab ojski sy By Zestradbil (d. ges Chelr

other draws conclusions from forty-three cases treated by moses f artificial pneumothorax Puncture is t be preferred t open peration. The dangers of gas embolism ca oasily be overcome if manometer eadings are carefully made The dvantages of puncture are less traume and fewer chances of infection, as well as a higher percenter. of successful results. The athor succeeded in producing pneumotherax in all his cases in some of the case with which the opening healed. Fature inflations with gas must be governed strictly by the individual cases egarding the mount and the time intervals in order th t the condition of the patient

may not be seriously disturbed. The other divides the indications into two groups. T the first belong cases of advasced unilateral invol ement which offer a poor pragnosis, and above all those cases of diffuse animeral espiration pneumonia following hemorrhage, and followed by high temperature with little tendency towards resolution. The second group constitutes a relative indication and consists of cases in bick toxemia has subsided but with marked unlisteral anatomical changes, cases with small but moidly advancing lesions and cases with brisk and frequent harmorrhages Contrary t Fortanini the other does not consider the establishment of passimotherar advisable in increent cases of t bercaloss since these respond well t ther methods of treatment and since the production of pacumothers, is mostly followed by hypertraphy of the right heart. The motherax is contraindicated in advanced bilateral cases and I those complicated by cardler and resul conditions. MY SCHOOLS

Sternberg Artificial Pneumethorax for Pol-monary Hemorrhage (Der kundichen Peri-muthorax bei Langenhaumgen). Friend is met For d Arrived MER. Obserbers Erbb . St Patersb re S antil, 34 By Zentrathi & d. gen. Chur a. L Gornegee

eport of two cases of pulmonery haven Tale is rhage with hopeless prognosis. After total injection of see or of nitrogen, the harmontage was controlled. The temperature fell from 30 C to normal in short time and the general condition was YOU SCHOOLS good

PHARTNE AND DESCRIPTIONS

Biggs Cost of Epitheliai Lining of the Good-zius from a Case of Chloroform Poisoning. Frec. Roy. Sec. Med., 19 1, vi. Larymol. Sect. By Surg. Gypec. & Olst.

The patient drank and vomited one ourse of chloroform. On the third day she roughed the rast. Treatment with bismuth carbonate, landing and paroline accompanied by rectal feeding was conthursd thirteen days. (Esophageacopy three months later revealed no tendency of the emoplague to con-EARLY B FOREST. tract.

Torric Th First Successful Case of Resection of the Theracic Portion of the (Esophesius for Carcinoma Surg Grace, br Obst 9 1 374, 514 By Surg Grace, & Obst

After reviewing the censes of failure in the opera tion for carcinoms of the oreophages. Torri de-cribes the method of operating by which he succeed ed in overcoming certain difficulties and avoiding contain diagram of intrathoratic reaction of the complagua. He calls attention to Samerbruch wire that only the carcinomata are the neck ones the cardia about he exceted, and that the cardinomata is the middle portion about he left untouched. I contrast to this the author state that the cardinomata near the calls are not only rare that those in the middle port to but are also more responsible associated with the order of the contrast of the calls are not only rare the those in the middle port to the contrast of the call are not only care the contrast of the contras

The patient was somen, 67 years old. The tumor was situated in the middle portion of the crooplagus, beginni gjust below the arch of the gorta and extending one and three fourth nehes down Gastrostomy had been performed some time provious anesthesia by traches! insuffiction was em ployed. An increso was made through the whole length of the seventh intercostal space, from the posterior and of which I was extended pward by cutting through the seventh, surth, fifth and fourth ribs near their tubercles This gave excellent access to the parts. Extensive adhenous between lung and parietal plears were separated. The portion of the croopingus below the tumor as trited out of it bed after laying the vagi ande. Over the t mor the dissection of the vagi was mor difficult requiring

the division of some branches crossing it. During this procedure the pulse remained steady between 93 and 66. The dissection of that part of the enophages which passed behind the arch of the sorts proved difficult. It was accomplished by disloding the sorts after dividing number of its thoracte branches.

The tumor was attached to the left bronchus which was cut during the process of separating the tumor from t. This was afterward sutured with tilth. The dissection of the exophagus was contued all the way up to the neck. It was divided with cateryat safe distance below the carcinosa after double ligation the lower atomp was invarianced and the upper brought out through an incidion in the neck at the anterior border (the left stemo-close-caustical made, It was then placed under close-caustical made, It was then placed under the carcinosa, being antured to an incidion in the neck at the anterior. Thus an infection to the skin and (or that purpose, Thus an infection of the pleum if in the crophagus was endered impossible.

The thorax was closed without dintage. The patient made good recovery On the servery the day when the last slitches were removed, the wound was completely closed. Feed is is done by includenting the upper end of a gastrostemy the into the cod of the cropolarge when the patient resultows, the food passes through this tube into the stomach. There are serveral methods of enophangolasty includes the employed. The author urges early diag noofs and early operation.

SURGERY OF THE ABDOMEN

ARDOMINAL WALL AND PERITOREUM

Kustner A Padunculated Necrotic T mor th Size of the Fist in the Region of the Um bilicus (Inn acknotice) by Innsignour Tunor welcher breit gestellt in der Gerend der Nabels aus Deutste Gestlick i Gyada, Hallo o. J. kley by Zentrubb i d. ges Gyada.

by Zentium 1 d ges Gynals. Generals of Gerungeb A 34 year old multipara who aborted year previously complained I pain in the right regional about week later the skin in the region of the smblickus reptured and pos evoded. I a short time pink tumor protroided, high later

terred black
Binapual examination aboved compty pelvis
and the terran lyng just behind the bolominal
will, which was densely infiltrated Ferrer was
present. The tumo as removed in h. Paquelin
cuttery. The stalls consisted mostly of shoons
tissue and the temor smooth muscule with some
tissue and the temor in the stall the stall the
table bloominal will desappeared it
abdeminal. If it the replon of the simblicum. The
abdominal II is the replon of the simblicum. The
hattodogical findings as well as the fursion of the
hattodogical findings as well as the fursion of the

uterus would speak more in f vo of a subacrous myoma of the terus than a necrotic bidonilual wall demond. It is not improbable that the stalk of the subacrous polyp became t lated, the tumor becoming discrent t the stall of the bidomen in the umbilical region, here the trupture took place.

blacheler Billary Peritoniti without Perforation of the Bile Passeger (Les peritonites billaires sees perforation des ones bilaires). Tâje de dect Par 9 3 By Journal de Chirurgie.

This study is based on personal case and sixteen found in the literat e. The uthor thinks the perit oral effusion in those cases is really bids though the macracopocal pressures in the outproof as chemical evaninations are either lacking of doubt I. It does not believe that the condition in ordinary perit neal collection discolered by the resorption. The bile may reach the peritonesi cavity through an unercognized perforatio of doubcard allowed through a perforatio for the doubcard and the published or the bild ducts of it may first through the rard co of the congested liver or the sala of the publisheder. The litter is the hypothesis arcepted by the author. The filteration is

supposed I take place either through the hyper trophied mucoss directional (enabled) or through abnormal lymphatic channels, or through abnormal lymphatic channels, or channels that the state of the state of the bile Machiefer grees with utburn who userfiles it to changes in the walls of the placeholder forent times caused by the Eberth bacellius) bibarty hypertension due t blocking of the passages by calcul being favoring, but not altogether necessary factor. The real mechanism, which would account if the fact that the above mentioned lesions are common without billium and the state of the state of the state of the wiffe officer year in this to so rate is unknown.

The effusio contains, besides bile find evadate prod ced by the peritoneal reaction. According to the degree of septicity of the bile there is an out peritonitis with little purulent fluid and few pseudomembranes, or subscrite peritoritis with large mount of bile-colored serum. This effusion is In ye free it collects at first on the right sid . It may remain there, without any adhenous t confine it. It sometimes contains typhoid or colon bacilit. The agas are those f peritonitis. The onset is sodden. There is usually no jaundice as there is i biliary peritoratic following perforation of the bile passages. The pent altes a either cut with little effusion and prompt fatal ontcome, cut with large effusio and ttennated symp-toms. The prognous is uni orable. The diagnosis from ppendicitis, peritoritis due t perforation of the bile channels and intestinal instructio is

difficult.

The treatment is evacuation of the collection followed by cholecyticatomy or cholecyticatomy when the common duet is occluded or betructed. The post operative treatment is that of all cases of perit attra.

L. Hormans

Clairmont and Von Haberer Researchs on the Coordination of Prof N section of the Coordination of Prof N section of Prof

The others reported case of blany portionities without perforation of the biling passages, in hich also the pathologist was unable macroscopically I food any perforation or were surpedous area Contrary t the view of Neuwerck of Linkle who consider perforation of the biling passages as always the consideration of the consideration of the biling passages as always the consideration of the biling passages as always the consideration of the base of the published cases come the consideration of the bases of the published cases come to the consideration that the following perthological and anat mixed findings are the basis of bilings personal tensions without perforation. A shrikle perforation demonstrable only at autopay is present, of prinary thousages through which, all probabilities of the pathological probabilities of the pathological probabilities of the pathological passages and the pathological passages and the pathological passages are proposed to the pathological passages and the pathological passages are particularly and the pathological passages and the pathological passages are passages as a passage and the pathological passages and the pathological passages and passages and passages are passages and passages are passages and passages are passages and pas

demonstrable) exists through which I all probability the bile has exuded. 3 On account of chiation of the subserous bile passages of the liver small per foration has probably resulted. 4. In other cases perforation may ot be demonstrable even at autoposy but an abnormal permeability. I the walls to bule is persent as in the case reported. I all these conditions the same clinical pleture prevails at operation the surgeon is unable t find the place of cut of the bid and track it surgically. U or Econs.

Barad IIn Procumococcic Peritonitis (Zer Prograder Procumokokkenperitonitis). Charactis, 9 t. xxxII 527

By Zantralbl. I. d. ges. Chir u. i. Grangeb. Rohr collected So cases of pneumococric In o peritoratis from the literature. In Russia the cases have but rarely been bserved and described. The uthor eports two cases operated upon successfully The first patient was girl six years old, who became ill two ceks previously with abdominal symptoms. I the left hypochondrium fluctuating swelling developed. At the operation, after opening the peritopeal cavity bout three glames of greenish-vellow per were evacuated. The cavity was then tamponed. A cure resulted. The second case was boy fourteen years old, who became III with similar symptoms Here also an encapsulated accumulation of our developed which was drained by laparotomy and the ca ty tamp ped. The petient recovered

In both case the bacteriological cambation of the pera-horsed pere caltiture of pacemerced. The

by which previncence enter the bloomfast cavity are writible. In pleurodic the penemoral cavity are writible. In pleurodic the penemoral cavity are writible. In pleurodic the penemoral cavity are writible. In pleurodic the accordance of the property of the formation of the property of the formation of the property of the property of the property periodic property of penemoral periodic property of the formation of the property

Wendel Retrograde Incarceration; "Hernia en W (De retrograde Incarceration, Hernia en W). Ergein, J Chr. s. Orthop, p.1, 1, 196. By Zentralik, f. d. ges Chr. i Grougeb

Under retrograde iscarceration and hernia es W have been described cases in which beptinding complet gangross of loop I bowel not lying within the bertal sax has corntred, the contents of the sax being entirely normal. Both terms are lowerer not synonymous harming any W. can occur without incarceration and retrograde learneration on occur also in other hermina. I retrograde to incarceration of free end organs at the popular the mention and vary the extension of the yields of the gangross is calculated as being described in the properties of the control of the vession beautiful from the abdominal end of the organ. The conduct is different, however in the case of the lower.

The author has collected 78 cases from the litera ture and comes to the following conclusions Retrograde incurceration occurs most commonly in old people with old and large bernias The co tents of the hernia may consist of one to three separate loops of bowel, or of mesentery alone. The loops are usually incarcerated but not alw ys. The connecting loop may be intact. Ithough the hernlated loops may be incarcerated. Frequently the hernful loop is much altered and gangrene usually sets in remarkably early The mesentery of the co necting loop may he incurrerated i the herma or not-Even when it is not incarcerated t may show marked vascular changes buch are sharply limited and may form arcade-like figure. The repeals of hernia en Il therefore is not identical with the generals of retrograd nearceration. The gamerene or the utritional dust bank of the onnecting loop is due either t incorreration of the mesentery compression i the same account of tenso and count of kinking of the traction possibly also distended connecting loop. The distentio and fecal stasis ith its bacterial ad mechanical disturbances also can aid in the production of gas-gren of the connecting loop. The thor divises combining the two conditions described as strograde incarceratio nd hernia en W the term retrograd incarceration, limiting it aly t conditions in which during berrus that loop of boxel continuous with the bernfated loop box decided tritional disturbances, the explans too of

which must be sought in the hermal clations and not purely abdominal causes. The author then discusses the diagnosis, prognosis, and treatment. However, risking resection rather the an enterosomy. General

Sweischnikow A Case of Spontaneously Incar cerated Dispiragimatic Hernia of th Stom sch, the Spiteen of Loop of Sweet (In Fall ros spontan sourcerierter daspiragnaker Heraus des Magras, der Mils und einer Durmschlange). Her sten track, 9 3 km². 7

hy Zentrab (d ges Clar 1 Grenaghe Abetility) comparations and in termy four years old, while performing some labor was taken ill with severe pans in the explanation. A militing set in shortly (fer and was repeated during the next few. The engustrum was sensul 1 personned in gold During the next to day the begetive air gold During the next to day the begetive and gold During the next to day the begetive and gold During the next to day the begetive and gold During the next to day the begetive and gold During the next to the sensul of the term of the few of the coast. The best day species as hardly opinishe on the left side in the right was week. So per mount. The patient to the patient of
parts were tympanitl o 'er the lover portions of the left lung tympanitle sound was heard, gradually merging i to the stomach tympany. The shdomen was highly sensitive rigidity marked, tongue most and clear.

After the administration of high enemas of oil and seltzer water little fectal matter and much foul mas were expelled. The subjective condition improved the meteorism decreased. The rigidity disappeared over the entire abdomen except in the epigastrium. Pulse oo Cyanoria much less. The operation was therefore postponed. On the fall wing day the cvanous I the f ce and cars returned. Pulse 120 The abdomen was not distended or sensitive. Edge of the liver became palpable it was soft and of sensitive. Cardiac tones clear and in normal loca t on. The tympeny over the lower edge of the left I s less marked. No vomiting, but the patient resurent ted everything that he wallowed. After another high enema som gas was expelled. The patient pamed good night. The abdomen next morning was soft and insensitive. The liver was markedly enlarged but not sensitive. The epigastrium was or distended, but was scusitive. A swelling a observed over the 3-4 mb internal to the left mammary line Tymnany was definit over the lower border of both hunga, more marked a left side. Cardiac dullocus not definite and the im-pulse as absent The patient could be only on the left side, and regurgitated everything be swallowed By evening the heart was pushed further t the right. The left half of the thorax was tympenitic posteriorly the falling drop sound could be beard. Hippocratic succussion could be diated

A diagnosis of diaphragmatic herois was made and the operation performed by Gerulance. The storn ch was absent from the bdominal cavity. The diaphragm the left side was found bulging into the bdomen and tense. The edges of a tear could he palpated as firm tense bands. The bdominal incide was enlarged transversely and the st much punctured through the disphragm. It became possible t introduce t fingers int the disphrag matic ound and enlarge t. The stomach filled the entire left thoracic cavity to the seco d rib dhenous bad formed between it and the pleurs nd could not be replaced. Following enlargement I the disphragm-opening the heart ceased t best and espiration stopped. It was impossible t revive the patient. Only with difficulty as a possible a separate the atomach from it adhesions. A loop of bowel as first brought out, then the spleen and finally the gangrenous stoma b.

Important points in the differential diagnosis from other inconcentions or the synamist, the unequal radial pulse the clean most tougoe, the requirit too of the small mount of fluid without my thought at rempts at rounding the tympany over the fower portions of the lungs and the displacement of the least.

Schmidt The Radical Operation for Intestinal Hernia with Incomplet Hernial Eart Siding Hernia (Zur Radickbernion der Durmbriche mit Inkompistern Bruchsch Durmgistheiche) Dentele Zulei f (Zur 11), crng. 60.

By Zentralbi L d. gra. Chir n. I Grenzgeb

Schmidt reports the history of three Interesting cases observed and operated by hm. He then discusses the work of Sprengel, Financers and Sodeck, as well as the anatomy and operative technique of these herale. From the results of his work he concludes that in abding herals of the colon on the right side a one-angied loop of colon is Involved, whereas the left side two angied loop careas suit the herma. In opening a silking herma entreme current current commands the complexity of the break of the control of such a silking herma must be accomplished by in creation, which silking herria must be accomplished by in creation, which silking herria must be accomplished by in creation, which silking the right of the wings,

Superfluous parts of the free hermid is are to be tenouved, but one must be carried not a divide the blood-vessels supplying the bot. Before severing the sac it is able against the larget is set if it required in present it is antenor and unner nurface may be resorted unbout chapter, as the bowel and vessels lie postenority and laterally. If reposition is difficult to be bounded and larget be spitial the segle of the cotter part of the ring. If the spermatic cord is closely adherent it the sac it is advisable to implant the tenucle into the bloomen rather than to exist.

T t Sarcoms of the Omentum. As J Obs. N. T.

ο<u>გ</u> ხოლ, ∡£ By Sorg, Gyone & Obst. Tate reports a case I sercome I the omentum and tabulates a cases which he finds in the literature to date. His patient was male, 3 years of age, who had a left inguinal bernia for years which had required the use of trens. The rupture had occumoned no particular discomfort until three months previously when it had begun t produce some pain. I the few weeks prior to operation the hernist mass had started to increase in size so that for these two reasons the patient as operated. At operation the mass was the size of excount and was composed of omentum in which was embedded the testicie and cord. There was also considerable amount of paraffi fo the sac which had been injected two years previously by some one for the stempted cure of the herma. The mass with testicle and paration

ere removed and the herala repaired. The microscope shawed the mass to be round-celled sarroms of the constitute while the testicle was normal. The patient was seen if months later and had a large secondary growth in the abdomen, but refused further operative (testion.

? SPROAT HEADEY

Benedict Chylona Cyrt of h Meesstery Surg Cyrac b Olei 9 3, xvl, 600 By Surg Gyrac & Olse,

The thor supplements Friend list of 53 cases in the issue of the same journal for July 9 s.

Excluding depictates, the first is brought up to go cates although Rendellt had previously excluded four in Mendel had previously excluded four in Mendel had a probably pseudo-chilosa and this tap treat and a probably pseudo-chilosa and this tap treat and account of listing under different parts of the country of listing under different states. The probably the state of the country of the coun

unspecified results after operation and cases dispressed at necropsy some of the last ha on

lived for years with the tumor Apparation was performed [3] cases drainage mainly after prelaminary incident in 12, some form of conclusion or resection in 2 and satempthias then in 4. The result appeared t depend one on the method of operation, but upon the condition of the patient Le whether he had an ordission of

Drammond The Surgical Aspects of Persistent
Mackel's Directical m. Sary Grace & Olec,
9 3, xvi, 456 By Surg Gynec & Olec,

boxel, remtogeth, separa, etc.

cule.

The paper is based upon review of the surgical records of the Royal Victoria Infirmary Newcastle upon-Type, extending over period of twelve years. There were twenty-two cases of acute abdominal discass resulting from permatent Meckel diverter ulam, seven of which became inverted int the small intestine and produced intummeration - making 7 per ent of all the cases of intersusception from Jennary 900, to June, 19 a. Intestinal obstructoo due t acquired adherons occurred in 6 cases. I two cases there was strangulation of the small intestine over the diverticulum, laich was adherent the embilions. In nother case in which the diverticulum adhered t the umbilieus, accordary volvalus of the lower Hum, carren and ascending culon occurred. I the remaising six cases there was evidence of inflammatory change in the diverti-

A tempt is used: above that apealing great ally certain report do retination as responsible for definith and speculae lesson. A Meckel directive distinction and appealing the same and appealing the same and appealing the same appealing the s

The leasure are considered under three bending vits, Instruction, Inflammatory conductors and more area forces such as enteroy as, calcul, etc., though not unfrequently the pathological roadition cannot be classed under one of three heading? One case is recorded of an intestant obstruction, graptime of the Vicekel directlinships and calcular

In dealing with the differential diagnosis 1 the leaders produce by Mickel a diverticulum appendicitis is satised to be the most frequent source of error. The trano that leasons 1 Mickels all diverticulum are confounded with appendicitis is that both rymas are capable of undergroung in same pathological changes of peritoulitis, obstruction, invertion, harboring of calculities. Other lesions such as pathological conditions of the gull-bladder and intentine may be confounded with Mickelstus.

GASTRO-INTESTINAL TRACT

Borchgrevink Acute Dilatation of th Stomach and its Treatment. Surg. Gyace & Oled., 013, xvi. 651. By Surg. Gyace. & Obst.

The author reports five cases successfully treated by abdominal posture H thereupo gives re view of 37 cases published since Schultsler's intro-ductio of the postural treatment in 805. Of thirty one cases not treated or methcally only twenty-nine died. Of 48 cases, treated by stomach tube 14 recovered. Of a operated cases, 5 survived after rustro-jelunostomy after gustrostomy and 3 after their non-incised stomachs had been emptied during laparotomy Of 16 cases treated by abdominal posture died, no from the gestri dilatatio and one after the conditio had been cured by the postural treatment. In the of the cured cases the abdominal position was little used and seemed to be without effect. In the other cured cases, the abdominal posture more often in the presence of threatening symptoms, and partly, when longer treatment by the stomach tube had been without result, has brought about noticeable and fren surprising effect. In three cases, which were laid on the right side, the effect was excelle t Lying on the left aid did not have any decided effect

Considering the etiology I cane pastd datasets. Both Rockeywhich draws the following coordinates, bich are based partly the good results batlened by adominal posture. To difficult or primarily occurs as sequel I overloading of the stomach, either by access in food or fluids, by risquartion of the contents of the stomach and following gastric hypersecretion. S. The diluted is much prod cet the attrob-ensemteric occluse of the decirnum as to compresses and emplets the pairie, then tight called the root of the meaning the partle of the posture the arterio-ensemteric compression in relived and the stomach allowed to empty its contents int the bowel.

Heyrorky Histological Examination of the Mucosa in Ulcer and Carcinoma of the Stoca ach, (Histologiche Dutencharpen der Magonschildhast be Ulcus ventreals und Carcinom) Destrick Ziele f (Edr. 9 5, cml., 159

By Zeutulbi, Ld ges. Chir | Groupph.

Detailed examinations in so cases gave the following esults. In m to than half decided gustrithe was found. In gastric ulter accompanied by partition offentiac came it he latter was raide out. No change in the fundus glands, characteristic hyperacretics and hyperaccidity was dem surtand. The follicular crossors found commonly in ulcer probably are important in the formation of ulcer the ulcer parients with gastrilis after an anastomosis and more gastric disturbances than those without a gastrilis. The staining technique and the literature at the subject are appended.

Grüber Th. Relations between Carcinoma and Papite Ulcar on the Upper Digastive Tract (Boting sur Frags nach den Besishungen swischen Archa und peptiachem Geschwur im oberen Degetionstrakt). Zische f. Kraifwick. 9, 5, 101, 05. By Zeutrulk. I.d. get. Chir. Grungsich.

The article contains the statistical investigations a the results I about ten thousand post-mortems in regard t the frequency of peptic ulcer f the craopingus stomach and duodenum o the one hand, and carcinoma o the other Furthermore it gives detailed description of the microscopical and macroscopical findings of several interesting cases. with therough discussion. The author comes to the conclusion that the statistical findings at nest mortem show absolutely no point in favor of the contention that carcinoma develops particularly on the basis of people pleer. The views of Payr and Kuttner based particularly upon survical matenal are criticised as lacking convincing proof. The histological proof of the development i carcinoma on the basis of older, according to the autho is found only rarely The clinical as well as the anatomical methods of investigations cannot feasibly be employed, as correct stathstical informatio is not avallable. Martin.

Seldel The Perforated Gastric Ulcar (Über das perforante Maprageschwar). Zentralk f Chir 9 3, 21, 9 0. By Zentralk I. d. gas. Chir n. i. Grenage

Solid reports twenty five cases of part rated gastice clear which were operated upon with amortality of 35 per cent. It is most important to clear they reforation perfectly and this in effected in the best pay by placing sunfling sutures parallel t the border of the perfection. On these artiflary attents the real closing sutures find secure bodd. Gazinoenterous my was as rule not added (only in one case) t often, when performed later on, much better prospect fe good healing. Kind.

Palirey The Administration of Ox Bile in the Treatment of Hyperschitty and of Gastric and Doodsnal Ulcer As. I Mal. St., 9 5 cd 795. By Surg. Gync. & Obst.

This report embodies the results of treatment of fifty cases I the nost common form of dyspepsis characterized by sour stomach, heart burn," or pain after eating. A review of the physiology of the pylorus show that the control of the pyloric sphinter depends upon the degree of alkalinty and saidity in the duodenum. When the doodenal contents are alkaline the pylorus opens, hen they are acid it closes. No degree of acidity on the gastife side can cause the phylorus to open.

According t Picher the acid conte ts of the deodenum are neutralized by the bile and puncreatic juice as well a by the duodenal secretion.

This action may be enhanced by the administra

tion of or bile per os.

The bile pulls re prepared after the directions of Pfail, each pill containing 0.73 gram of dried or hile and coated with solid t conceal tast and prevent dessol you in the atomath. Two or three pills are go en three times day for erk the number is then reduced.

As the author states, this report is preliminary but the results obtained in fifty cases are orth reporting II A Ports.

Mayo Palliative Oper tions for the Relief of Incurabl Carcinoma of the Stormach. St. P. al. I. J. 9.3 xv. 260 By Serg. Gyncc, & Obst.

A burk percentage fundivulents with cancer reincurable hen they present themselves for examination and only in certain percentage is palliative operation indicated. I performing pulliative operation the surgeon assumes rescombility. He must be guit sure that th pulluation ill he sufficient to repay the patient for the expense and suffering and for time spent in the hospital, and he should tal. Into consideratio that in the background is a newlightened public opinto t he influenced by success failure. Palliative operations are indicated for the relief of one or more of several conditions which may develop in the gastro-intestinal tract the most common of which is obstruction. A differential desenous cannot always be made between malignant and benum ulcerations tinless specimen be removed for microscopic examination. Moreover when specimen is obtained for examination it may be taken from point near but not actually part of the disease and thus give an incorrect version of the pathology anerimen cannot be obtained ad diagnoss is mad on the clinical findings ally the patient should be given the benefit if the doubt and the condition

tratted as though it serve benign.

Trenty two patient he coverted from pulliative operation performed in the cline for mellinative operation performed in the cline for a showe after-heatory was traced, lived more than ne vest. Fifty per cent lived for one it awayears to others died supposedly from milipassit disease. Lineare the versusty of the circle producing observations of the circle producing observations. Guinesteen is useful means of pullition there exist and should need to delayed it the last resort. The Witzel method to depend to the control of the circle of the control of the circle of

satisfactory palliative procedure in cases of inoperable malignant obstructions of the pylorus and for those cases having lange excavations in the postsrior wall of the stornach which he usually carelnomatons but occasionally benisn. If the tumor be large and more or less fixed, as it usually is in inoperabl cases, anterior gastro-enterostomy after the Wolfer Hartmann method gives excellent results. The posterior method is used for less extenalve growths and in cases in hich the clinical diag aces between cancer and niver is questionable J junctions is especially useful in cases of extensiv involvement ben doubt as to the diagnosis exists. It is also useful in cases of accidental perforation of the older. The gustric tomor should be removed even though all of the glands cannot be extirpated. It gives longer and more comfortable existence to the patient.

Clement Occiusion I Blocular Stomsch (Occiusm agree dam un estomsc biloculaire). If a sulla mid-pag av 2,3 By Journal de Chiruppe,

The count, 3 years old entered the bonyrid, if c) none, breathing urreplarly and rounding greensh bele-staned liquid cordinously. This condition had lasted lifteen day, and began very suddenly. On cum nation the belonger as found to be discreted of it inguismit, especially in the upper part. A solid immobile mass as palyared to the condition of the discrete day of the discrete day of the discrete day of the discrete day of the day of th

On opening the abdomen emormously distributed in stomach came in view it is as of this model that all was transparent. Emmination disclosed bloomly stomach, the opening between the two parts being so narrow that fluid could not pass. A support opening that the state of the stat

The absence of scars made it seem that the construction must have been either a congrantial affair or doe't very early lagertion of some causals. On account of the condition of the patient it was impensible t get hander of an previous attacks. The other betterns that the trouble of laters days duration must have been don't speam from best standing Dyrich attacks. Such cases or wery rare and the chapmon from intrastinal obstruction high pa hard t mak. I Decover.

Balfour Anterior Gastro-Enteroscomy Ass. Sorg Phile 9 J hu, 902 B Surg Gyace & Obst.

It is generally concreded that when gustrocontrostors is indicated the posterior zo-doop operation is safer given the best end-results, and that it carries precitively no risks of unfortunate mechanical seguels. The method has been so consistently attractory that it may have been used it three when other methods audit he sufficed as ell or perhaps better. It is particularly pplicable for benign lesions in the regio of the pylorus when a resection of the pyloric end f the at much is not indicated or a plantic operatio. Is not possible.

For various reasons an anterior gastro-enter ostomy is the operation of choice in ertain definite groups of cases, the largest of which is composed of the obstructions of the nylorus due t carcinoma in which resection of the growth is not feasible. In many of these cases the mechanical obstruction with its retention of decomposed food prod cts and the starvation is the important factor. Not ally rethese patle to greatly relieved temporarily by drainage of the stomach but the terminal stages of the make nancy are much less pitiable. It is particularly in this type of case that the anterior method is prefer able on count of the speed safety and samplicity with high t can be perf rmed. A smaller group is composed of certain benien lesions at or near the py locus where postersor gustro enterostomy ould be destrable but not possible because I the presence of some mechanical condition. Extensive diseases, congenital or inflammatory mail rmations, etc., may be sufficient t preclude the advantality of attempting the porter method and yet permit the anterior operation to be done safely and quickly

Gonlikedd Simultaneou Resection of th Stormach and Transferse Colon Fi Cases (Recetion similanes del retonne et do oles inna vene 5 observanous) Lue idar 9 p. 17, 475 By Journal de Chirargie

The newtrees of the colon; the st mach makes it possible for the growth. I for it must the other and so make exects of both exessive Leiche has collected thirty; it such cases, with ten deaths. The who had bit no operative I taking his first case. It removed the timns of the stemach and colon in one mass in their mad a space-double-controlly and lateral in automous of the

In one case there was myorar oma of the storach mading the measured so that a could not be removed a thout dest oying the blood poly of the colon. The tumor with parts if the storach and 3 cm of the colo was emoved and the continuity of the gartro-intential canal brought boot as described above. The patie t deed I poeumonia eight days late.

In the second case canner of the stomach as resected with some of the olson, guarre-duodenno-tomy and lateral anastomous of the color per formed. The patient did eleven mo the later I recurrence the plear and supractavicular lymph faints. In the third case of our fithe stomach and 5 cm, of the transverse color free stomach and contract of the plear policy of the property of the p

baces bout gastriculeerin w man by ears old.
The patient recovered and as in good health
fifteen mo the later.

I the fourth case the cancer of the colon was resected and twenty months later t was necessary t esect 5 cm. f the pylonic part of the stomach and is cm. of the intentibe. The patient recovered and was in good health in months later three years after the first operated in second case. It is sometiment to be considered to be considered to the color of the color and atomach was recerted or wester and the patient was I good health six years and three months after the operation.

Momburg Lacing and Closing of the Pylorus with Omenium (Unschanzung und Verschluss der Pylorus durch Netz) Deutsche med Wild seit 19 3, xxviv, 606 By Zentralbi, f. d. rev. Chir. u. i. Grensreb

In perating on his last two cases f d odenal uters M inburg proceeded i the following way life fairst closed the pyforus with silk ligature in the furrow thats f meet he pulled piece f the open-tum behind the pyforus upwards placing it around the pyforus when the pyforus pravatel placing it around the pyforus present the second that the pyforus present present the pyforus present
On of the patients died five days after the operation from perumonia and at the utopsy it was found that the mental ring dosed the pytoms perfectly and tightly. Momburg believes that the omentum above will beld the pylorus dosed after the silk thread ligature has been cut.

lisenel Duodenal Ulcer (Über das Ulcus duodeni)
Zentralbi f Chr. 9 3, 21, 9 2.
By Zentralbi L d gen. Chir u. l. Grenageb

The other discusses the sympt ms and disproads of doodenal older. He believes that operation is indicated in the early stages of the doodenal ulcer will ultimate the repetition for the doodenal ulcer will ultimate the repetition of further indicated in hemoerhages, sympt ms of tenous, both love all in perforatio of the discussion of the other which is the now dispressor complication and occurs which is the now dispressor complication and occurs which is the now dispressor complication and occurs method of periate continued in case. The direct method of periate continues of the continue of the continues of the c

ure I the pylorus II end has performed guarro-enterous my nine teen times in twenty-six cases of doodcaall ulter during the last eight years (in five cases with closure of the pylorus). If he he excused the ulter and in the case and the last eight years (particular port of the pylorus). The performance is the ulter was an torred four times. To patients with performed ulter died.

Berard and Alamartine Accidents and Techniq of J J nostorny (Accidents et technique de la je)mostornie) Rev de ciar 9 3 M il, 660. By Journal de Chiergie.

The authors report the case of man 50 years old suffering from diffuse cancer i the stomach with refex compliageal dyrabagia. A lejinostomy risa performed according to the technique of Whitel Eachberg. As the patient was postant for the first three day, and the crophyper man had died he was allowed fittide by mosth. On the fourth day he belomes became transe and there were collety pains het no vomilting the patient became rapidly with a first patient between the compliance of the co

T a old recurrence of this activet. J junes to my no more june from the my normal many nor

The method of Albert and M 30-Robson with fateral or button anastomous of Jahoulay Lumiere

ppeared t be the best

The uthors advise local nest-lessa percented by the injectile faccopolarate not morphise a median or lateral oblique subtantifical incusion a made and anati messa athorit attures using the J businessa Lumere button is performed. A lateral jejunostomy is then made a the middle of the loop cound ing i Touts. I Original

Via let 1 Volrei et it Coccins Accreditate Colon and Initial Percise et that Teachers Colon; Death from 1 section Hannocrange 2. Velrui of the P.1 Calon Treated Williams of the P.1 Calon Treated Williams Colon Hannocrange Colon Treated Colon Treated Colon Treated Colon Treated Colon Colon Colon Colon Treated Percise Colon
By Joseph de Chirurdo Virtuer first case was that of moldler 4 years old, he as suddenly reized with violent pain bove and to the right of the navel, companied by vomit ing Next morning the vomitus as brownish the paroxyamal pain remained is the same por t the abdome was distended the pulse so and thread-Neither gases not stool had been passed during the night. Immediat isparotomy 7 hours after olvulus of the the onset of the symptoms sho ed carcum and hole ascending colo high dragged with them the terminal portio of the small intest ne and the benetic flexure and initial portion of the transverse colon The torsion was complet (360') and clockwise U t using and restoring the gut t its normal positio led to partial emptying of the incarcerated gas and forcal matter but the patient dled on the operating tabl

At topsy the nurces from the duodenolejunal angle dow ward as studded with minut hemorrhagic goots which became larger and more marked as no came nearer the large intestiles, so that I the terminal portion of the from the merces as I tensely congreted, dark purple with black patches. These lesions stopped abrupply at the patches.

all of the formion where the succosa resumed his normal appearance. The cause of death was intetinal hemorrhage, the t sting of the measurement were his saving resulted in a huge hemorrhagic in farett in almost the whole of the get.

In the second case that of woman 4, years old, the first attack of volumba of the pelvic color was treated by laparotomy paneture of the got with a trocar t do y with the coronaus distention and untwisting. The toroidon was at least twice got and the state of the coronaus distention and untwisting. The toroidon was at least twice got and the state of the coronaus
then and end to end enture brought about our. The author hose opinion is concurred in by Lay as, thinks that recertion, preferably in the interval, or it has use of the operation for obstruction, if the general condition of the patient peralits is the only radical treatment unbraiding leads to recurrence and asschours of the loop reliefs out.

poor results.

Harrisans quotes case with multiple recur

renors, fasilly carred by resection.

DELIST has operated to cases of volvelus of
the large intensite one in child years old. Use
t stills was immediately followed by an entremely
copose evacuation, but death occurred in few
hours. The second, in man 50 years old, was
trested by univisting and anotherage. The man
reverred but could not be followed.

Rosart ones reduced "rulrulta were sailly but the gut was alreedy markedly altered at the point of torsion and leskage canned death. Resection ould have been the correct procedure in this uses. Sournoous has recently treated valentia by

elapse untwisting the general condition was such that nothing more odd have been possible. Torrica has seen case where, after multiple recurrences yielding t non-operative treatment, an artificial arms had t be stade during more severe

turel. The patient died in few bourns. SAMARION has sere and cases of cut obvides of the small! I testine all ending fattilly. He noted also case of chronic volvation of the large bowel in hich ample mainstaing brought above recovery but there the first ttack, recurrences have a two exceeding de amplical laterference. Jo Demotr

Kellogg Incompetency of the Beocetal Valvey Desorders Arising from this Condition and The Treatment. Hol. Res., 9 L Irvol. 65 By Sarg Gysec, & Obs.

The study of the slacerical valve and its disorders has been greatly neglected. The author studied sixty cases, and the most common symptoms ere constitution, marked gastric pain, obstinate indigestion flatulence etc. \ large percentage abowed evidence of ppendicitis, colitis mental and nervous denotation.

"The treatment is divided unt. In pullisative and the speciable. The first consist is excuring the status be of movement daily and in hanging the intersical flow by administering cult rea of several varieties of bacteria (II bulgancus B hadou and B glucobacteri). The nerseed to I et vivi is bisized by bulls lizarily duet in the add to degrar agrand paraff oil florecessive gromastics, outdoor life coal testiling et all assist. The results have been most satisfactory and the opera therefore the contractive of the contracti

The operation onesis treat mag it normal the partial intussus, epison of the small bo I into the creem. This is easily done by pushs g the small intestine lat the creem? I short did in a side in the creem of the creek of the c

Obel Primary Typhittis Primare Pyphittis) Rear Else Clar 1 brow 20 By Zentralbi f d ges Char Grenageb

1 II kmr

The execum used the looked upon as the seet of origin for all inflammators processes occurring in the flootescul repositive processes and difference of opinion as the thermal the condition primary typhilits occurs at all. The thorreport case from the surpocal clink of the University is fluidagest.

lith us an endoeleted example (1) phillis short periodicits. The patient as outh ma it has been the flee creal region. Oper too re valed a stripe perforated uler: the anterior surf of the feeth though the priends; perfectl normal Date observations ere interned by increasingued examinations of sections of the ukerated rease. It is of the peptid. The proviolatity of specific disease, as typhos for a berrudou wer arefulls excluded.

With this case and the observations of other othors to prost his we the thor could destine the control of the control of the properties we then control of the control of t

Somewhurg Pathology and Therapy of Part typhilita (P thologa and Therapic der Perityphilta) Letping Vogel 9 3 By Zentralbi i d ges. Chir u, i, Grenzgeh

Sonnenburg' new book is thoroughly revised and all extraneous matter excl ded. I regard t appendicitis the entire treatment is cancise and

thore gh. Somenburg's personal note on the value of the blood pict re with all its consequences is cle and concise In this consection he states

We posses to-day sufficient diagnostic aids to mak diagnosis and render a prognosis a d to differentiate the cases (especially in the ent stage to differentiate the mild from the severe cases) The proper interpretation of the blood picture is often the deciding a ctor for ction, as it shows us the includence of the infect and the involvement of the pentoneum in the individual case I another is long as in a acute attack place be continues of appendicitis the peritoneum is not involved and the inflammatory condition, usually catarrhal in nature is contined to the lumen of the appendix of probably associated with an ententis or colitis so le g is there so reason t treat this conditi n differently from the way in which the same condition in other parts of the i testinal tract would be with lazzitives. treated i

Lardennois and Olinerye Th \ Carcosignaldostomy (i.e. t phlo-signaldostomic en Y)

I de cliw 9 3. 35 By vary G are 4 Obst.

The athors present the following procedure as a more logical technically simpler d a more off authous method of abort circuiting the large test or for gra hronic obstruction or bellious

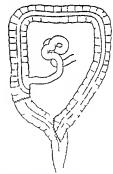


Fig. Showing result the olded. The \(\chi\) is in creed the to the recess. Routh of the sigmo-sigmoid segment. The section of the colon has been made too low and the two anisotonous are too close together.



Ing Universition of the general to the avera. The ext or has not yet bee resected. The end of he attended his her fresheard by trang ath ac sons below the or history large.

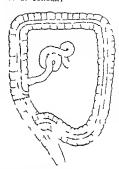
collins. All amous experiment in geo signoid outosuses the thors hoully in ed title following perfected oper tion.

The patient of a little literatelephore presented of the literatelephore presented on the literatelephore presented

The pattern pla I the Irenale-busing protion and long methan record is made from the pulses I the umbilieu. The olso is rapidly explored for the lineal lessons of the irrimanator of the small action is especially be a possible outra oil tons to he oper two namely sensoning land—see the learn.

st St p like a m nd sigmout flexu torough ell p at the ound. This is earl at complished became for but the operation and cated re totall at omparted b mobile accum. nd at p. This onsist the pproximation of the mischiers and he losure i the buttonhole formed! he mescutery the pare error punctal personeum ad the pul mesocolon. This is done follo ing Lane t historie Begrinling right urfac of the meson olon sut re from the sugment the piece rior parietal peritoneum tibe sacal promontory ad hear t the left ar ſ of he in senters love t term na ton on blos I yearels The CHE 1 TE xen red

t pick of the anture re-hold lamp and renot d ntil the nationals is completed and Step. Appends our is performed on the anth opendix interferes the the analytimosas-



For 3 Showing the correct tensit. Approximation or set are before he algebro-agencied implications to fir a state of the 1

4th Step. In meest not clamp is placed, boxeth
boxtom of the current mark the lumit of the curre
had but the resected.

in h Sep. User milling y the centrate, is Nectual claumy are placed on the supposed, I should be rule high crough toward the color. I said the ght turn or sproad branch order I be, so that the first color agrowed branch order I be, so that are the centre is no conserved. As he may be also too long, the I will be anverted, but may be also too long, the I will be anverted, but may be also too long, the I will be anverted, but may be also the color of the color of the depth of the necessition of the externative about the I provides of the color of the externative about the I provides of

of the the The Ilia; gnood is now on the cet the clamps, the cut surfaces being maintrived. The necosito is cut it the end of he long clamp as lumeds tely sewed over it control hamorrhage. The upper extremit of the ut colon as rapped in subner guare and had sake

7th Step. The inferior end of the argrowd I placed in prosition t the arcum and the posterior

in of seroscrous out rea is passed (Fur.)

8 h http: The maximum bet een the corrus
int agmond is completed both guided nd decam
being at across just proximal t. the scaling things

before he autures are passed ofh 'hep. The compresses are removed from the separor end of the cut agencid. In the calculapoint far enough from the carcal. Insteadorosis of the sings time light enough so that the work or be done outside the belonen, the segmond signoid of money it does the usual mass of Tan personal or the segment of the segment of the contraction of operation is oddicated sensity in c a long signoid or the Stp.. The sature as p used in sept. It was tell just tight eaough to lose the opening in the mention and closure of the segment of the large tell states and closure be bottom for result obtained in represented schematicall by 1x y. Jun 14.

Helle Th Origin of Inflammations 1 th Appendix on th Busia of Racteriological and Experimental Ericlence (Dur the Loun home for Potendiagem an Rhad jumphang at but enoisricher and spendentella (molline Mar d Grappi & Mar (d.).

B) Zentralls fill en Ch (research

I the course of inflammat to filte preside

variable processes hasterial ad mechan 1 reuntil present. The report topersons 1 has process indoord the adammit on rim in mode of The present. Busteria even to the desired does not rica up the et does 1 other 1 rethough the hasterian must be considered as the ca-old cross of the list infilimention mechanical factors to exemples. On the control of the list distincts to exemples.

From animal e perime t two the uthor con-THE PROPERTY OF clories that the sub-use ng lestroct of the ppends th secondary pentonsits secd tion of three substrates formed by the by th retention of the outent t the pressit toxim use on the one had from The ruet of bacteria which a them-el es re not nathogens. the other hand h hanging the media which they grow The destructes Cutamation of the ppendix therefore is not an fectious diverse. This is forther proven by the fact that bacteria re never found in the circulating blood and secondary metast the baceves re sever developed all prophylactic measures must be based on the fact that the inflammation is due t total to It Is of importance not only to present the retention of substances but also t if no that whi h be been retained Incompletely spin p albume is ery dangerous it may nter the ppendix o the change from diarrhora t const patro rt lattu

Rjemnofi Amstemical Consideration of Life, mentos Formations About the Provintial End of the Large Intentine Lifeamentum Varioforms (Dub. rigas Abburtantum and Gegrad des personales Abechsites des Dickslams als anatomticles Celebide Legimentum varioteme) Chrosph 9 3, 33334, 20

This article represents an extensive nationness root — an original investigation on many reducers. It was the other purpose t study the normal conditions of these membranous formations and therefore only those cadavers — er selected which presented about it y normal bloominal findings. Ninety-three hodies were gooded. The distinct

types are described ecording to the manner in which the peritoreal membranes or disposed. When they are extensive they cavelon the gall

blabler and fover the according colon as far at the cerum in a beet cases the membrane appears much line to dimention of the small occur and the continuation of the small occur in. The inguistre cover the according colon, the cases made the peritocal ideal facts only the creat region the peritocal ideal facts only the creat region the peritocal ideal facts only the creat region the peritocal ideal facts the ligament us folds tog in the right abdominal wall, extend across the zer mad saccording colo and blend with the great oscentium. These isomations are described also ligamenta exceptanceals at all ignmenta memericing particular 5. To the last group belong these cases us which the foot of the executing is fired in musual portions. May I (the above classified described descri

List notes recently by J nosecul in a per cont. Used and Secrett in 35 per cent. J all indu. It had present it any of these continuous cental other peculiarities can be detected in the between the period of the continuous continuous between the period continuous three constitutions between the period continuous contin

nder arlous names, for example ligament m

fellowy ticum-pylorocolicum (Hawith and Lusch

a dra ga. The peculiarit es in the development of the board also discorred.

After quoting the literture xterni ely ad going int the subject i detail the uthor uncludes that there is lose connection bet een the embryonic development of the gut and the later development of the pent peal folds or membranes. His points is upported by personal barreations on fourteen embryos bet rea the ges of one and five months. The se all cases of arying perit neal folds re discusted detail and ell illustrated I conclusion thor ags points out that membrahous the developments bout the proximal end I the large gut are not looked upon as the result of inflammatory processes, as surgeons frequently a west but that c ave bere t deal a th natomical structures which have developmental history of their own. Since these tractures possess a embryological development of ther wa and can therefore vary widely th a thor has proposed the name ligamentum Talloforme

Galdshwit Orthoped Principles in th Treat ment of Abdominal Visceroptods and Chronic Intestinal Stani Sery, Grace & Oks. 9 1 art, 52; By Sary, Grace & Oks. The work if the orthopedist in these cases consists

SCHAKE

in the modeling f the body so that the common

deformation of \$1 best and the narrowed poer belomen, with the cut a gie t the costal border with the hyperestression of the lover space the lor a diprotrusion of the head the marked relaxation of the belominal wall et ca be retrume

It is mpos the for the viscera t ord, orrest is also they can be put a their normal position of in the attemetype of congenital ecropsos the pace i the upper blomen lose not as it the pattern has called the re-of-mat rity. It is exemital these sext remodel the bit so the their laser if red and the pact the peper 1 bit for restored on normal hape induced. I this

y the belon as in the tephrened and the star upon the musics all the lessented and the tonered of 1 the more can let up of the best mental in the control of 1 the more send of the best more and the second in states of the control of the more all passens in thour 3 in the all upon the following the second of the turner of the second of t

the state Land he correspond of process as usually a seal. The process in content as the process in content as the process in the process in content and in the content and intention of the process in content and process in the content and process in t

A high action of bepare in proper on our of held produce see "bulletin he past out of held produced the first out of more in the past of more in the past of held produced the heart of held progression more afterness of the held progression more afterness of the held progression in the progression is the progression in the progression of the progression in the progression of the progression in the progression of the progression

M. Lard. Andominal Jucisions and I estimal Ana sembel I. he Treatment of Calefmona of th. Coloni. (in p. 1877). In B. urg. Jaco. & Unit.

M ylard emphs used the sh whish of crital networks and method of feedbad automoses of controlling the controlling of the contro

trial to of tran verse count, the increasin is carried cross the bidomen's on one to tracket so the ambilions. The rest in sides are dealed if nec, exarty and no out and flext accuse I the rectus sheath is accurred a front and behind the numcles a accurre and non-gigging it results. In case the bepaute or splead feet or a me invoid or the according or leve softing colon, transverse incusions or carried out of from point situated respects by lower and it the right or left of the melature. The great advant go of these lactions has the catomical fact that there is no colonial discussional fact that there is no conditional fact that there is no conditional fact that there is no conditional fact that there is no part of security of the colonial fact
The ser case intestinal anautomosis depends upessential conditions. First the healther the be I edges less the line I nion the more rapid miles on the healing. It larged because of the heal is condition of the boulers that failure ommonly occurs when an 1 most is Heapted under condition f a bitractic The second consideration is the perfect capt thin I minterrupted serous surfaces. The their prefers end t I nautomous, lib invari tion of no unul serment, here e cados does not interiere. I the give that germs old na tomost fies in the de tedence olon that betted ad lamphates RET USE trivio of fection t was the pibor's aim obviat the modets by hi i gigation an times and bird forther ecommends force like 41 t to 4 th annual allow expulsion of gas all berebs persons tras on ture line of ana-(JOHN) YKHI

Tenur Ga () t of the literative fee Serg Ft to h s By wr to per 4.0 h

I as regret as neglected it fort are reported with report (h) who are it actes that are all ponumatous is throne probably will bent of process oncesting of he formatic of grating the house or plant he red the installinal his house or plant he red the installinal

all The gas trag as foreign body gives rise thamm tory bangs to lead a the formation of gas a cilis be returned that the formation of gas a cilis between the control of gastic or the control of ga

The es of the origin of intestinal paramators in let but may be grouped as follows

The gus forming bacterial theory hich is endorsed b the majority of observers.

The mechanic (theory in high the process is alrely analogous to that of traumatic emphysicus that the totest hal gas escapes from minute rupt rea the be el wall

J Th acoplastic theory in hich the gas cysts are considered a new growths, the enter of which a matergoos dependent on the followed by liquidation at the formation of gas.

The beament theory in high the coll sengraces

group of he teris is thought t form the crists.

A summary of the thicf characteristics of the lemons hand by Turnurs is as follow.

Latensi gas eyet formation, situated for the most part outside the longitudinal muscular cost.

2 Characteristic appearances of the gas cysts and cyst walls, in which an endothelial holog and giant cylis are a feature.

1. Occurrence of spaces or hannels, some of hich may be lymphatics partly I sed b endothelium and partly filled with giant cells endothelioid

cells and leucocytes.

4 Evidences of dilutation f lymphatics and of the inter-communication of large lymphatic spaces, possibly cyst spaces, with indoubted lymph chanrels.

5 Absence of communication between cvats.

6. Inflammatory and prod ct te processes be-

6. Infammatory and prod et e processes between the cysts and under the pent neum resoluing in the formation of connect tusice and abromations masses, leading to the blit ratio of certain cysts and therefore t a kind of h abing process. 7 Absenc of bacteria in most 1 the cysts.

8. The deposition of highly refractive needles in the laterior of ma v cysta causing peculiar flattening of the cells. I the luning membrane and the possible rôle of su h crystalline matter in the pro-

duction of some of the grant cells

Thus Turnure concludes from the reported cases and from a grady of his own that the condition is self-limited with tendency t spontaneous cure.

He are B M trues

Brown The Value of Compl.: Physiological Rest of the Larg Bonel in th. Treatment of Cartain Uterrative and Obstructi. Lesions of This Organ, with Description of Operati e Techniqu and Report of Cases. Ser. Comto Cost., 9 J. 201, 0 By barg Gyac. & Obst.

Brown points out i his paper the dvs tages of complet physiological rest of the entir large to el in the treatment i cert diseases of this orgawhich have heretofore been treated by amous technique b surgical methods. He describes which this rest can be ecomplished, and how when its purpose is fulfilled, the bo el an be put back int commission ! me ner both sal and satisfic tory The type of cases i | buch the uthor has found this surpical rest treatment of alue are en merated as follow () Mucous colitis amounted with obstructive lesions () legrative col trs (meebsc bacillary t berculous, et) and (3) obstructions to the colon, acut nd chroni due i neophaeme

In mocoos collis Brown techniq seems better to meet the inducation than Lane operation, or the West Mitchell treatment, etc. By t all periodic bands and disclosing on the secretify, the occum electrical from the peters and the internal state that the compact properties and the internal state and state that the peters and the internal state and state that periodic players are periodic call quiet, the patient can be given the benefits which follow district, supplies and orthopoed treatment. In this way the bowel can be given chance to regain is normal tone.

Technique Through right rectus incision sufficiently long for general exploratory purposes, the bdomen is opened. The carcum is t once

sought and the entire large bowel is carefully examined. All pericolic adhesions are severed the appen di removed and the stump buried. The fleum is next severed between two clamps, close to the fleocretal valve. The distal fleum is tied off and buried as was the appendix. At a sultable part of the carcum a purse-strl g suture of linen is placed and the cecum is next incised. Through this incision, large catheter is inserted after which the purse-stri g is tightly tied. A second purse-string of No. chromic catgut is next placed. Under the loops of the purse-strong, three long catgut fixation sutures are placed. A at b-wound is next made at McBurney point and the cutheter and fixation antures are pulled through. The peritoneal surfaces of the excum surrounding the catheter are ext scanfied. The catheter is now slipped through the hutt nd the firstion sutures threaded th ough the eves and tightly tied, thus closely pproximating the serou surfaces of the mecum t the parietal peri toneum. A stiff rubber drainage t be is next inserted int the proximal fleum, fixed with a double purse-stri g suture and brought out of the lower ngle of the rectus incision. The parietal peritons-um is made t hog it snugly by few catgut sutures nd the bdominal wound is closed in the usual way

The indications for restoring the contil mity of the large bowed are () improveme to fit be patient recent condition and the return 1 normal, as sho in after repeated chemical indicatorycal and culture growth examination of irrigation fluids parsed. This retornions aboud not be made too early particularly in the ulterative lexicos of the colon. To put the origin back into commission, renoration

is dily accomplished by simply cutting out the us and closing the dirial licem with purso-atring surror A lateral manaromosis of the licem it the ascrading colon may be preformed or the fleum suit bed in the signoid (Lane). The asthoc has never found a yddisculty i restoring the cominuity of the interior.

The whor bases his paper upon the cases as operated. Two were cases of chronic intensional states with obstructions due to pericol bands and figures both are streatly improved and now comparatively ell. Three were operations for amount of dysectary all cases acter cared. One ulcerative coltus with extensive y obvernment of the sigmoid and rect an patient now in good health. One case I catensive obstructive tuberculous collits patient received great relief and lived i comfort for two mo that. Three were last and inoperable malignancies one level air months, one five months. The thread is still fiving, nine months after operation and is confortable and in reasonably good health.

Rosenbeim Colitis Chronica Gravis (Über Colitis chronica gravis) Desicris saci, Wolszeler 9 3, xxxis, 680. By Zentralbi J d. gra, Chir I. Grenzele.

The difference between colitis gravis and simplex is only one of degree. I all cases definit inflam matery condition of the mucous membrane exists, followed mustly by erosions and tumor-like forms tion. Fixtule and abscesses may develop as second ary complications. Somnolence, colles endoca dirle, multiple neuritie, etc. re due t a general int vication. A specific ymptom complex does not ed t. The prognosis is always doubtful. Rosenbeint observed three deaths (peritonitis, separa and general cuchexia) in his series of fifteen cases

Rest bed, bland diet, oprum, tannin bol blam the ct frequently accomplish much there neutically. A local treatment of the color is linhousible to many cases on account of the activities The insuffiction treatment is of on value Irrigations with boric and and tambic seld re of value in mild cases only Enemata of starch, gela t no and gum arabic appea t be of mor value. Surgical treatment should then be enoudered only ben internal ther py h proved futile but under certain conditions t may be lif so ing procedure Special indications for surgical intervention are profe ged fever progress emacuation, marked ducharge of pus in the forces and local or general complications W.CHORY

Grabam Report of Case of Frecal Tumor Associated with Hirschaprung a Disease T Am Proced Sec Q & Jame

B Sery Grace, & Obst.

Graham reports a case of Igeal tumor th 11 rachsprange checkse which as that of young French a man, ged t enty-seven, who had adergone three belorund operations. Present illness dates from birth Not unusual to go week or ten day without stool and then evacuation as produced onl b means of enemata

It the ge of q she operated upon and large faxed tumor as removed from the sugment At the age of 5, she suffered another tis k of complet I testinal obstructio. She as operated upon again and this tim large incal t mor was removed.

In August 9 for the third tim she persented ympt has of complet test nai obstruction for seven da Abdomen enlarged ad general tympanits except the lower right quadrant, wher there as doll area orresponding to large tumor which could be restdily pulpated. The turner frecal mass as exceed gly hard ad did not put reference. It could be easily moved in every dured tion througho t the bdomen. Attacks of violent, colicky pa us are frequent. Vosati g was per sastent pulse so temperature 1 F he requested that the facult morberemoved but refused t give her coment t y short-circuiting or resection of the bo el

At operation the tumor as found in sigmoid Its greatest circumference was off inches its weight was 64 ounces. The dilatation, bich was confined to the agmost was very marked, the greatest cocumference being so inches. Patient made an un eventful recovery and as discharged from the

hospital on the tenth day. She gained in weight, and present the in the best of health. She experienced so difficulty in procuring daily evacuations with the aid of small doses of cascara. On Docesa ber 15, or she was doing nicely Information was received later that she was operated pon April to o a, and died three dars after

You Beck Lat Condition after Eacl sion of the Colon by Means of Headsmoldostorsy (Smit rounds such Dukdarmeuncheltung durch Esteroabastomos symchen Deum und Diregra sagmostes Developmentocomie) Bret a Min Chr p 3, hereby 338 By Zentrabil, L d. grs Chir | Greenach

Von Beck reports his results in fifty-t cust of colon exclusion by means of Reosignoklostomy per formed for bronic ukerous coluis (16) chronic period us and displacement (6) evi malve tuberculoms of the bowel () and for imprevable colon careinoma () Three cases died during the first four necks after the operation (peritonitia, poeumonia good functional assistances resulted no bad effects of the caternomatous patient after operation was four t t elve months Excellent and results were obtained I the tuberculosis cases, even in extangive molvement of the lower ileans, cocum and

thrombona) in the remaining forty sine cases following the abort circuiting. The length of his These cases are operated in two stages in the

first the days and area as entireated, the ascending colo tied off ad the learn as arbored anteriorly t the abdominal wall fler four to m werks the tleum was sutured t the agmost and the tuber culous ascending and transverse colon are then enduded. Result One death, three years after operation, from tuberculous infection of the bowel, the colon, becarer being normal two deaths six and eight, ears, respectively after operation of polmonery phthuse culon entirely normal. Of the remaining seven cases ax are ell and able to perform the daily d the (four to ten years free operation). Of the thirty t cases operated for course, periculitis and displacement a cases returned in from one to five years complaining of gradually increasing obstrpatron, relative obstruction or retrograde peristalus. All were onser. In three of the cases an appeard contours had been performed address atom treatment employed meffectively. I there cases secondary operation as percently on recount of retrograde peristable, seconds diletation of the rectum, forced accuse lation t the middle of the transverse colon and spreme in the drum and jejunum. In these cases the author recommends the exclusion of the color by seems f Georgmordostomy with invagination of the destal end of the ileum int the recom I cases of spasm and retrograde peristable -- perulia to the female see -- he drives making an end t and nastomous het een the ileum ad sigmoid and anchoring the upper end of the signacid outside as a morous fatula or extirpating the colo at later Burnara date

Libensky: The initial Stages of Atypical Neoformations in the Rectum and the Shigmood Figure (Die enter haffinge der at pashen Nesbildung im Rectum and im S. romanom). Zische f the Maria of the figure.

His Med of level 155 Dy Zentralbild ges Char Grenzgeb.

The author has observed two cases of ecurrent selections of the signoid for re and their metapholisis to atypical new growth. If reports unsher of similar cases from literature and emphasizes the importance of rectoscopy on account of the succertifiery of the appropriate point and that the conditions of the potted form that the conditions of the potted of the total conditions of the potted of th

Barrins n and Heinemann T catment I Amerike Dysentery with Eart tin (De Behasdlung der Amobendysenterie imt Easten) Hacker, sec. Webstele 9 k lt 1 Illy Zentralbi (d. ge. Chr. n. Grenneth.

The a thorn experiment up with encode from different manel citures furnations samples of vary ing strength found that the drug was very t we for smothe. Whe impleted bottaneously or better still, intrarenously, most it he organisms — od in expedity i rovable cases all of them — in the intential wall and in the ulcerated areas were billed. After 10-7 days if we organism may again be found. There are however strains of another bottom in the strain of the strain of another than the Child State of the strain of the strain of the strain Child State of the strain of the strain of the strain though its early use will possibly interrept their formation. If with the use of m tin very is this formation. If with the use of m tin very is this

skerated areas of the bond.

The maximum intravenous done is 50 mg per fox kg body weight. The best results were lealined by the fold wing method intravenous jections with on crun, physiological Nacl solution, or the international injection of 55 metor and one of the 5 metor and a line travenous jections of 5 metor and one of the state of 5 metors of 5

severest cases prompt healing takes place in the

Proust Rectal Prolapse Treated by Colopery and Perf anal Writing on the Consistence of Rectal and Gential Prolapse on Hystero-colopery Colopera of rection traits par is coloped of the Colopera of the Colombia of the Colopera of the tax at ginism de Physitro-colopera). Bell of most. Sec. de chir de Per 9 3, 1311, 637 By Journal de Chiranje.

Proust patient, a woman 48 years old, whose prolapse dated back 8 years, had previously had a super vaginal hysterectomy Laparotomy showed very deep Douglas pouch which was bilterated. The

sigmoid loop was anchored, above the uterine atomp t the remains of the round figurents and to the periloneal covering of the bladder. Two months later a peri-anal wring was made to correct a tend easy t eversion of the anal mutous. A year after the operation, there is alight abdominal eventra tion the prolupes remains cured the allver wire is still unblocked.

Quixu commenting on this report, points out the last ence hysterectomy may have on the development of rectal prolapse. The uterus and rectum have common means of suspension, therefore, any cause bringing bout the fall of one endangers the firster of the other Hysterectomy deprives the rectum of the terior support afforded it pormally by the uterus. The weakening of the pelvic floor favors the prolapse of both organs. Hence the not infrequent association of rectal and genital prolarge and the wisdom f anchoring both the rectum and uterus when colopexy is resorted to. In a case of large prolapse, Quéou first sutured the varinal vault to the rectum next he stitched the upper edges of the broad ligaments to the posterior peritoneum on each side of the gut a d finally isld the sigmoid loop crosswise and anchored up to the left that form here a small allt was made in the posterior perit neum. The tendon of the lesser means muscle was bared ad the bowel stitched to it. The uterus, from the cervix to the fundus, was also sutured t the anterior abdominal wall. I younger women this total hysteropery would be replaced by shortening f the round ligaments.

LEXONNUT states that the association of rectal ad genital prokage through not uncommon, is far from comaton. The pring way of the pelvideor which analoshidely as porest predisporing cause must, however be added an abnormal length and mobility of the pelvic colon. This replains why while genital prolapse is no common i women, retail prolapse is almost as rare i females as in males, and also why in large rectal prolapse, colony of the present processor and provided the present and the period present and the present and the period present and the period present and the present and the period present and the present and the period pr

Lenomant always uses the Qulum Duval technique for colopeary oftentimes supplementing it with Thierech perismal wiring. The latter opera too about it as nevertlent pulliative procedure in too about it as never the major operation is constituted as afficient in children. Lenotmant as performed colopery of times for large poolapses. Out of 5 cases that could be followed, had rapid recurrence, 3 are cured differ 4½ 7 and 8 years.

Macrostage has performed three coloperies after hysteropery or exploperineorshaphy. He had one operating death one case could not be followed the third as perfectly well 15 months after the opera-tion.

J Dunson.

MacLaren Rectal Section for Peivic Abscess in Man J.-Lancet, 9 J. xxelst, 54. By Surg., Gynec, & Obst.

The author opens the paper with a report of a case. A boy 1 years old, was brought to the

hospital three days after the onset of ppendicitis. The appendix had runtured. He was immediately operated and much pus was found in the abdomen. Two drains were inserted, one to the bottom of the pelvis and the other t the base of the appendix. He did not improve very m ch follo ing the opera tion. On the tenth day follo I g the abdominal section be was very sick having purched, drawn face and rigid much distended abdomen. His operative nound was dischargi g considerable pos. He complained of great deal of pain. His anus was kiely open, the anterior wall buiging and the peritoneal cul-de-eac was distended t its tmost by a collection of pus which filled the neivle. The exc was opened with a sharp pointed acissors using them as dilator At least quart of seroon per came away first followed by thick, foul colon pers. A winged rubber t be was inserted. His improvement w very rapid

I the hand of the uthor rectal section for the drainage of pus the pelvis has proven a life-at leg measure. The results are immediat, and brilliant. Is the operation is so simple it is hard to under stand why there is so much prejudice by so many surgeons against doing it A second belominal operation in these cases is so frequently followed by death that the wither so hear test perform it nd does rectal section instead. Since the institution of the method his mortality rat has been considerably reduced. This method of treatment is especially adaptable t those cases of appendicitis with aborese formation which occur in rooms chil dress. It may be used as preliminary operation in those cases which rea h the surgeon exhausted and very servic and with large abscesses in the pelvis-If feer opening the rectum the patient does not immediately improve the abdomen aboutd be opened EDV to L COLVEL

Deloire A topis ty with Fisps of Γ t in Anal FI tule (De l'autopizzie grainerose dam is fistale anile) Bull et sem sem de che de l'en o 1, axis, mi, sin By Jeremi de Calengie.

In exts splineters and fittal, non-t because, incusion or even extirpation of the fittals in illustent because the periorcal fat has disposared on the ca to does not fill up. On the other hand y method in sling the splineter would result almost the certainty! I feral incontinuous

I such case the suiter dissected in destruptate the futubous tract. The bottom of the ound was bounded by the left nede of the rectum. Sax mooths that the wife, as still 1,2 13 mobes deep and fap was cert from the left thing, the subcutaneous fat being refully preserved the peddie as related so as 1 bring the flip in the one certain the properties of the properties of the peddied as related to the peddied as for the peddied of the peddied as related to the peddied as the peddied of the peddied as the peddied of
Barnes A Method of Operati & on Fistul without Catting M scular Tissue T Ass. Fractol. Sec., 9 3, June. By Surg Oynes. & Obst.

That method is used it those caree of faction which I volve the sphareter muscles. An incition is made exercised to espilate residing to that made when exercised to espilate residing to that made when opening the sear theme is desected our opening the sear theme is desected our opening the sear theme is desected on the sale margin, so that the said differ of this lockion passes through an imaginary longitudinal line for from the internal opening. A submittened observation of the continuous search of the continuous is kept in this said the extremely and the continuous is kept in this said the extremely associated with the continuous search is based inflictedor. Then the submittened methods of the processor of the continuous search is based in distinction. Then the submittened is the continuous search in the con

Zabel A Further Consideration of Sir Charles Ball' Operation for I testinal Hammerholds, T Am Proced. Sec., 19 3, 12m. By Surg. Gyner, & Obst.

I curry larance in which the sesculate of Ball technique have been followed out carefully the author's results have been exceedingly assistance. When risk of the secretarity subjectory. Were risk of this operation, the wither sums up his conclusions as t list value as follows. That as monthactons of the soil flagitare operation is to better than the latter and at the same time is for anything the same time is the term and cantery operation, in region t the large and cantery operation, in revol et al. and that it is a state of the same and the production of the middley after these operations, leaving behind with tags after the ra-cling subsides.

Morray Further Observation on Fruritia Aul; Its Probable Eristotic Factor; Results of Treatment T Am Probal Sec. 1 June By Surg. Oyner. & Obst.

Muttav finds no reason for materially modifying his former reports, but has gathered data hish has helped a prove the correctness of his previous or, if found streptococci infection in three cases of pruntus an not vulve not four cases in hish the anus not the screen were involved. These complicated cases, in the exception of t venture, cases, improve of by the were of the year-like restriction.

I the just yet Murray has becreated has former river of highly has case, by I entiy-fre in five of which arreptoroccis infection as not just There were the conception as not just There proves the configuration as the first proven the configuration as the former proper caused relationship as was Martel in the without five type of the superior that the highest provided the superior of the provided provided the superior that the superior that the provided the superior that the provided that the superior that the superior that the provided that the superior that the supe

under the vaccine treatment, without rega d to eating, drinking, or smoking, gives him dditional

proof for the bacterial theory

During the past year Murray has carefully investirated the itching to discover whether it extends into the anal canal beyond Hilton white line. He found that only in ne imstance did t extend beyond that point, and then only for short distance investigations have given him additional proof that provitus and is not caused by any local lesso within the anal canal, and that when such less us exist with pruritns and they are coincidental. I the cases operated for local lesions, the pruritms to has not been permanently improved as result I the opera-

tive procedure Morray states that rectal and general surgeons have observed many cases of figure with discharges upon the anal skin, not accompained by pruritus and. The sam is true of harmorrhoods construction, and other rectal lemons, pruritus ans occurring in small proportio of such cases Murray therefore, still holds that who proritus ni exists in connection with other lepons it is ofnerdence. In report he gave a summary of m hundred consecutive rectal cases wherein this fact was estab-

Fahed fairly well. The a ther refers t the opsonic undex, or more properly the coefficient fertinet! of openins, and claims that m ch valuab! information m t be gained by this test. Ills work sho that if a complicating infertio exists and other bacteria than streptococci are found to be the sole invading regalisms, we must use the corresponding autograpous vaccine. The opecule index, following bacterial diagnosis, is the

proper method for determining this.

The results of treatment and the history of patients prove t him that if prorites am exists with local lesions in h demand operation the prognosis depends upo whether skin infection is present or not. If the ski infection is present the local lesions may be cured by the operation, but the patient should not be led to believe that the pruritor ani also will be cured by it Per contra, if infection does not exist ith local lesion and itching the prognosis may be that it is very probable that the itching will cease with the cure of the local

After personal i vestigation in treating watching results noting how cause, flect and results dovetall together comparing these investigations with statements and theories made in textbooks, and in articles ppearing from time to time in medical journals, to taining no definit pathology o scientific reasons for cause nd effect. Murray cannot understand how the profession will uphold such theories in preference to the bacterial theory which has been so well proven in his ow cases and confirmed by ther beervers

The uniformity of the bacteriological findings is strong support for the bacterial theory of the etiology of proritos and. The chronicity of all the cases the uniformity of symptoms the similarity of

the conditions of the skin the locality the regularity as to the time of attacks the uniformity of itching outsid of Hilton's white line the uniformity of the blood findings as to the coefficient of extinction of opsomes and the fact that all local applications which have given beneficial results in the past have contained a strong germicide,—all point directly t a comm cause. Further confirmation is found in the uniformly good results of treatment with autogenous vaccine of the variety of bacteria against which the patient has low phagocytic power and in the lack of good results by the various haphasard methods of treatment in general vogue.

Endo medium is used to plate the cultures. The vaccine employed is of the strength of one billion to the cc., beginning with two minims, or one hundred and thirty millions.

Murray's references to features in previous papers having been misunderstood by some, he desires to stat that he had referred only to fissure-like cracks I the skin and not to anal fissures or ulcers.

LIVER, PANCREAS, AND SPLKEN

Opokin and Schlamoff Hemostatic Effect of M aci Tiesue in Injuries of th Liver (Zur Frage der bintaillenden Wirkung der Maskeln bei Leber orleitungen) Art a. d. chir Klis. d Prof. 3 Federaf d milit med Abed, St. Prierbin, 9 3 vil. 9 By Zentrabil L d gra. Chir u. i. Grenzpeh.

In the past few years the efforts at hemostasis in injuries of the liver have tended toward a new direction. An attempt is being made to stop the hamorrhage by covering the surface I that liver with living timue by plastic operation T this class of work belong the unsuccessful experiments and clinical observations on transplantations of the omentum (Lorsy Bollarali, Henc) the more recent attempts tiasdatransplantatio (Kirschner, David) nd lastly the efforts of Lawen t cover the bleeding surface ith muscle tissue. These experiments were erformed nly on rabbits, and give rise to the following queries Has the muscle time hemostatic properties, does it simply act as mechanical tampon. 2 To what extent can plastic work with muscles be employed i hemorrhages from parenchymatous organs? 3 How is the hemostatic influence of muscla thatin t be explained?

To answer these questions the a thors performed experiments on dogs. The muscles used were the rectus, or preferably the gluteus maximus. The muscle there was divided into thin slices, and preserved in arm salt sol tion while the wound in the liver was produced. It was made as large as possible without removing much liver tissue." areas varied in size with that of the dogs, from

4.5 t 3.5 cm. Bleeding was profuse, but was rapidly checked by the implantatio of the muscular flap, and finally stopped entirely. The fixation entures had little to do with checking the hemorrhage, but the muscular flap does act t some extent as a tampon. Twelve dogs were used for the tests. Four deed of peritonitis in from t a to five days, two of pneumonia after one and three weeks. The rest were killed at varying intervals, three months being the longest period of observation. Microsconic examination in the early cases showed round cell infiltration the transplanted muscle and in the later ones connective tissue hange. I three cases the flap became necrotic and sloughed out. Secondary harmorrhage did not occu

The best part of the paper is devoted t discussio of the thrombokinetic ction of muscles According t Loch (1904) muscle extract possesses exceptionally strong blood-clottl g qualities. T satisfy themsel es on this point the athors experi mented with extra ts of the muscle lung and il er of a rabbit test g the thrombokinetic action itro. The technomic followed was that of Prof. Sor rol? The results showed that long extract possessed the strongest blood-clotting properties and that of murule alone the second Li er extract

After further theoretical disc sugn the onclude that the time-dust tion of muscle tiese int wounds of the li er for besportatie purposes deserves increased trention, especially from biology | t refront SCHUCK

possesses but slight clotting po-

Nerris Solitary Cy t of the Liver 44m Surg By Song Groec & ObiL Plata o i hu. Soc

Norms at tes that true solitary exists of the ill er of non paravity, origin to rate bestons as conpared a th other onditions found in and bout that reported as such his been congressneun 11 tally dilated g il lil dders or ducta er stadenomata. or tracerst. It resulted traces agle 34%. These cyst may be intra or extra hepath," ad of any size p t several iters outest and they occur more frequent) the oder surf of the right lobe of the liver 1 re more common in the lemile ad late muldle life. The ransation of these the may be summed up as follow

Confinence from Table degeneration or occlusion of berra t bile-dwits kanges in agri these are Decement

usually small () six haures an adenoma of the bile-

ducts, usually large 4 I the ruse Norms reports, of ret a possible CORRE

Moschcowitz, in 900, and that these crist associated up onermial anomalies in other part of the body especially certs of the kidney. That this is not necessaril so has been proven by the f et that they have been found unassociated ith other

anomalies Certain defant changes take plans in the costs of long standing such as calcareous militration, umerous blood vessels and they are wreally our rounded by firm fibrous capsule, the laner surface is smooth often ridged and of an oraque white color I places the wall may be so thinned as not to show that herecteristic appearance. The con-

tents vary Lanally colorless fluid fills the cavity although there may be bile or blood-tinged faid. Albumin is present in some cases bile piement. blood, hemstoidin, cholesterin and tyrosin have been found. Microscopically the capsule is con-posed of laminated fibrous tissue which may contain bile ducts sometimes dilated. Occasionally blood regment is found between the bundles of fibrous tissue. The fibrous those invades the liver tissue for

short distance and is lined internally ith a layer of epithelial cells, which may be columnar or poly-

bedral in the small come

As these cysts do not give symptoms until they are of sufficient size to cause pressure they are usually diagnosed post mortem. They may be mistaken for distracted gall bladder coatic liver echanococcic cyst, gumma or cyst of some seighbor BE OFFIR

The operative results have been estulactory and the procedure should be as radical as is consistently esf. Il ucleation can be close [thout severe harmorrhage this is the best method. If there are very him trachments od othe contra-indications t enactestical tradesit and retherest all to the panetal personeum and dra a. Sumple punctura is t be condemned I the ruse reported, Vorris evacuated a cyst the size of an orange containing soo cc. of clear fluid, sutured the cost stall to the panetal pentoneum draped the rallt and closed the bootness the usual was Convalence was normal ad the dra stage tract closed in four reks. HARR B MATTERIAL

Alia tz Choleithiasis d'Cholecy title During Childhood ad Its Trestmes: (Chokhthiasi and Cholecystria as Amicajur and the Beland-lans). Zenetili (d. Georgié d. Mel. Chr. 4 m 245 B Zentralbi f d nos. Clut Greater

The occurrence of rail stones during childhood is tremel re The author as blet offect only of these are utopsy budings and only one clinical observation the new-born and urshings. There ere 5 was bet een 5 od years old. The trans and a bet ren 3 ml stones are described as polyhedral or void cholesterm masers. Those to infant righed up t # g Those in older children ere the size of pex and OVET

It cannot be stated bether the female acx also is prediaposed during childhood sex is not mentioned most cases. The four cases over 3 years were il girls. The histed phenomena are practically the same as the adult. The diagnosis in the becare of science and enlargement of the gullbladder in difficult o account of the rarity of the durate. It is confirmed only by finding the stones the faces as as possible in several rases. The treatment is based on the same principles as in the adult. Pure cholecystitis without stone is still much rarer. Case report, and hierature are appended. Unite Econ.

Backy Choiceystectomy to Cholelithiasis; Indications and Results (De la choleystectome dans le Ethiese vésiculaire indications et résultats) Tible & dec. Par 9 3 By Journal de Chirurgie.

The author basing his conclusions on 80 cases of Lejan Gosset and Desmarest believer cholecyster comy the nly sure cure for cholelithiass. Method treatment is unsatisfactory as it is pit be followed by more severe attacks, occursion if the bio pasages, intentinal or pyloric obstruction, peritonitis,

billary cirrhods or cincreous degeneration. Removal of the gall-shader is made justifiable in the first place by the conditions of the paraveneral art organs acut or subarut choice/spitius with persistent and chronic sciences bydrops of the gall-bidder are all indications. A functional durunt-new follows in removal. After choice/spitials according to the properties of the gall-bidder are all indications. No functional durunt-new former above the properties of the properties

dbesions to the intestinal tract or distriction of the blackler giving symptoms of obstruction it may be accessive to do a party-enterosizing as well as a choicerystectomy. When there is chrom paneras its, which is very hard to differentiate from gall bladder dheeses slone drainage of the common duct may be necessary in addition to removal of the bladder best four such cases have cleared up without drainage.

Bachy dvises ther anesthesis after injection of patiopos, Spengel incolos, observation, observation pations, or pations, observation, observation according t the Gosset and Demarters method to always draining by gause from the cut end of the gride duct. One cholecysteet my was done for some cholecystein as for cholecystein to for chorus cholecthisms a for cholecystein to the periodic patients on a further contraction of the combined with periodic-cyclitic constraints of the combined with periodic-cyclit crouds to for the periodic patients of the patien

The mortality was 5 per cent. One patient deel after seven months 6 generalized carcinoma, primarily in the gril-badder another died after two years of sarcoma of the liver. There were three passing recurrences. The four cases of patients this were cured.

Prizes Moogeon

Jacob Suprapuble Firtula after Fost Tryphold Supported Colocypattic (followpretering) Recovery with Fernistency of the Bedillin th Stook (Faste supplement consistence has deletypin supporte post-typholdisput challenges to so cloletypin supported post-typholdisput challenges to so date in ferro | Buil of suns, See 4 doir 4 for 9 or xxxx, xx, yx, By | Formal de Chrupp.

A solder years old, six weeks after the onset of mild typhoid fever complained suddenly of pain in the right half of the abdomen and in the right shoulder. A collection developed hove the public atthout Janualice high fever. On incition must be used to the public atthout Janualice high fever to make concentrate their gall-stoops and bile came one. Finally factions opening remained in the laparotemy incision, but midway between the symphysis and navel. Small calculi occasionally, and bile containing large numbers of paratyphoid bacilli continuously excaved from it.

Cholecystetomy through a transverse inchaproved very difficult owing to the exceedingly dense thereon as a trade to the exceedingly dense dischere as traded the calcult in uncerted fundus communicated with the sinus by a long futuous tract burrowed through masses of addisorse. The bepatic and common ducts were normal, Recovery was unverniful but the man remains a chroicle bacillite carrier as his forces contain many paratyphoids badills. J Domoort.

Stockey Th Employment of th Omeratum (or Hemocrania in Entirpation of the Call-Bladder (Die freis Nettransplantation are Blatefloor bel Calendalsen-cutiproteen) Ferband & wint For A. Arts A. abid. Obselves-Frik St. Petersb., 9, 22, 43, 49 Zentralk, fd. pra. Chr. u. J. Gengels,

Duting the extinguition of a gall-binder sween bemorthage occurred from the liver which could not be controlled by tamponade nor by homostats the latter tors through the liver substance. The thor decided to use constitute to cover the defect. After pressure for >= minutes the transplanted piece i constitute remained adherent to the liver surface and the bleeding was controlled completely. Three days after operation death occurred from cardiac conditions.

Post-morten examination showed that the omental covering had become adherent over the raw surface of the liver where the serom covering of the fiver was insten to adhesion took place. There was no blood in the pertinned cavity. On cross section it was plainly seen that the omentum had become firmly adherent to the liver substance. The observation was confirmed by microcoptical flat observation was confirmed by microcoptical flat of the confirmed by the control of the state of the confirmed by the confirmed of the state of the confirmed by the confirmed of the state of the confirmed by the confirmed of the markedly hypersenic. The operation appliaries were consequent

The author compares this method with that of Claimos t and Negri, who transplanted peritoneal flaps. H points out that omerated transplantation has several advantages. There is always plenty of material. It can be obtained easily with allor transmitian. It forms advances more resultly than other thaues. The hemostatic effect is more marked.

Jordan Inhibitive Action of Bile on Bacilius Cott. J Isfed Diz., 9 3, nl, No. 3. By Sorg., Oyaec. & Obst.

T ascertain the inhibitive actio of bil upon B coll, pure cultures were plated in parallel series

upon plain agar and lake ag r. A colony rount after 48 hours incubation sho ed marked inhibition by bile both of strains I B oil freshly isolated from huma faces and of those long cultivated on aga or kept for year in water suspension. Several of the freshly isolated strains were inhibited t a somewhat greater degree than other strains kens in water suspension or cultivated on terent agat for many generations. These result do not support the numption that the ells of B collabilited by bile are those his ha become attenuated h

long sojourn a ter and are thus negligible in determinant recent our mination. To invest gut further this ttempation no colonies of B colfished from pu ulture on plat an plates and the same number from bilgar plates ere tested for vigor in mik coagulation and maxim m uniol production. The Ils of B rob gro on bile ager showed no gre ter phydological. I vity than those ELOK OU LATE SET

hamples of a t and fresh wa ge ere tested a th lactore broth and lactore like to parallel senes ter series of fore 5-re samples each, II oh was holated from a per eat of the I tome broth and from to 1 ent of the last one bile tubes 1 second series of one handred ad tift samples each, B of as sulated from 3 per cent of the Lactone broth and floor per it of the Lactone bale tubes I was processed a samples cach properly diluted B on replated from so per ent of the lactors broth and from ther ent of the factore bile t bes. It thus prears that bile I hibits from ne third t une half of the sable cells of B col

Lange A Case of Free Tru splant tion of the Omest m in Stab Wound of the Spicers ilm I 4 ns itner hets rample tation bet bi erferrung der Mile) Leebendl d. ber d. Armed sehlt binchen E bb be Petersb. o. j. 201. B & rath f d gen ('bur Leveren

The patient h l t b ound the part flor azillary tipe at the ! I of the oth b Severe amenus ad marked rupdity of the bidominal all has prese t. I resection of the oth and oth he a performed The oundersthedisphragm asenlarged \ ound of the spleen bleeding severely as found. The wound of the spleen was tamponed with free end of the omentum hiemorrhage ceased immediately Isolation of the pieura according to Frey and tamponade completed the operation. O YO'S SCHOLLING Recovery resulted

Mi helmon Modern Surgery of the Spicen (Du Ligebelon der modernen Malekentryn) Ligeba d. Orthop 0 1, Labo.
By Zentraibi f d. gen. Cleir u. L. Grennych.

Michelmon discusses the effect of spiencetomy upon the organism. Numerous cases ha prosen that removal I the spicen does not result 1 y injury t the body. A hyperleucocytous following solenectomy is specific and may last for years

under cert in conditions. The biologic characteris-tics of the blood are banged temporarily the antitryptic and bactericidal power I the serum is decreased at first but soon ret rm t normal. Other phenomena follo lag splenectomy are en largement of the peripheral lymph glands, hyper plane of the red bone marrow with pares in the long bones and an enlargement of the thyrold gland. These he ever re-not constant. Several observation lead to the conclusion that under certain ond tions small diditional spleens may hypertrophy and tak up the function of the removed organ. I jury of the spicen ery frequent indication for surgical procedur. Diseased conditions of the spicen predispose t facerations. During acut infectious diseases lesser t unas och as severe soceslag, oughing and vomiting may cause I tal ruptures the same is true of mal ria. Of the subcutaneous sammes the following are differentiated continuous of the arteen thout laceration of the capsule. These demand envention only in case the capsule suprants accomingly or i case houseons upperrates or blood cost is formed. The definite runtures upilled as capsule are usually transverse team and malimle to ner at of the cases. Laceration of the left Lidney frequently ecompanies the njury and may render the diagnous extremely difficult. The hairs perture may be divisted int three stages () vurptoms of abock () stage of mores ment (latency) awally of short duration but occupancedly last use for according. (a) stage of terminal raternal hymorrhage. The countries of the promote hymotrhage or are usually directly established shock. I seve all cases the otherstum entered the tear and saded. The diagnosi of the subcutaneous form of the sole ca as rule be made uth cer

tain digrey of probabilit. The operation of choice es spienectoro out) markedly atherent large splente t more amponante hould reffere hut re af averlooked Billet oraid at b ounds, and other open junes of the spicen are usually accompanied by infury of other organs things pic in displaying stomack, boxel) Isolated sajury of the sormal spicen can occur aly hen the disphragm during the moment of injury is based deep requisition

The diagnoses is extremel difficult ad the demand that it all perforat ng injuries of the lower left thoracic. If and explor tory thoracotomy should be performed is therefor ent rely justified. I bulkt ounds spicucetomy is probably al ye indicated in it b ounds, he ever sut re can be performed ma cases

Alacres of the solven may occur either because of supporation of a spleme hierastoms or the course of infectious discuss and is induced either by training or by embolic infarct. These abscesses are haracterized by the tendency t sequestrum formation. The early sympt ms to not character letic and consist of fever and hills Palm in the region of the spleen radiating to the shoulder occur only fire the abscess reaches the capsule. If the

seat of the baces is in the upper part the diagnosist in difficult as arrly unordressed of the left pleans takes place. If the abaces is developed in the lower pole, pulpagies splenic tumos own appears. Fluc tuatio rarely occurs, likewise respirat ry rules, as the diaphagma is more coles after direlarly but lift they do occur ro of deckling significance. Lescocaytosis although frequently present is of value only in typhoid abaces.

In the control of the coles of the co

Of the cysts, blood cysts are the most common. being however not true cysts. They are always single. In co traditioction to these are the multiple serous and lymph cysts. Objective signs solenic tumor with irregular podular surface, fi ctua tion rare, rubs are frequently heard due to peri splenic adhesions. No diagnostic blood changes are present. The prognosis in general is tavorable except in supportation and ruptures. The best surrical procedure is resection in very large cysts with not too firm adhesions splenectomy must be considered in very large cysts with firm dhesions, incision and drainage must suffice Echinococcus cysts of the spicen are unflocular. They develop most commonly in the center of the organ, pushing both poles away from the center This gives the organ e characteristi long-drawn-out shape. Ii hookiets are present the diagnosis is clear Explor story puncture is advised against on coront of the danger. Operative treatment consists in opening the cast widely extraction the mother membrane and employing wide tamponade. T shorten convalescence t is dynamic to bring the edges of the cavity together with sutures thus eliminating it.

Of the mallement tumors of the spleen surcome alone demands surgical interest. The diagnosis is made in the presence of rapidly developing, bard, nodular rumors in the absence of blood changes, fever finetuatio and malaria, but accompanied by severe pains due to tension of the capsule and traction on the ligaments. Recurring malaris is the most frequent cause of tumor-like hyperplasia of the soleen The material spicen as a rule assumes enormous dimensions its consistency is firm and the cut surface has the ppearance of raw meat. Around it firm, but highly vascular adhedons are formed. especially at the lower pole. Pressure symptoms as a rule are mild but the dystopic spleen by traction on its figurents cames severe pain. The disensels as a rule is not difficult when the history and the characteristic form of the tumor are considered. Extirpation should be undertaken only in the presence of severs disturbances and in which the upper pole lies below or only a little below the edgs of the costal arch. Partial ligature of the vessels of the pedicle is technically as difficult and has not proven practical. Splenopery likewise has not found many adherents. The occurrence of an isolated tuberculous splenomegaly has been proven t exist but is

relatively nam. That occurring to the military form of tuberculosis develops abovly and may cause quite an enlargement of the organ which at times is nordinat. The general condition is not materially affected in contradistinction t the splentic pseudo-leutenials which the general condition with similar calcurpment is servely affected. The diagnosts has rarely been made. The increase of the red blood cells (hypergiobulia) described by Rosengart is not pathogenomic. The treatment bondle be splenet tony performed as easily as possible it may be impossible in the presence of extensive adhesions in advanced cases. It is advisable to surure the splene to the addominal wound to exabilish drainage.

A wandering spicen usually occurs in the presence of diseased conditions and enlargements and especially during pergnancy. Sudden torsion of the petucle causes stormy sympt ms similar to torsions of overlan cyst pedicies. I the presence of severe ymptoms sampled treatment is indicated in a wandering spicen superactionsy for markedly discarding particular to the property according; Bardenberre for a small wandering spicen, superactions in contain indicated in larkemia and spicency according; Bardenberre for a small wandering spicen. Surgical intervention is contain indicated in larkemia of superior discarding the contained of the spicency of anytoid disease. Of the follopathic spicenoscopies. Bart a science alone interview the surround.

Neuron

Giffin: Clinical Observations Concurring Twenty
Seven Cases 1 Splanectomy Am J M Sa,
9 3, calv 78 By Surg., Oyner, & Otes.

The histologic examination of the spicen in cases of splenic anamia reveals no constant histological picture, and the author here reports the clinical findings in the twenty-seven cases in which splened t my bas been performed in the M yo Clinic. For convenience these are divided into three groups () those which conform closely to the clinical syndrome of splenic animia, eighteen in number () cases presenting clinical features which suggest that the spienomegaly was part of a more or less widespread infection, and secondary rather than primary (3) miscellaneous cases. In the study of these cases the utbor shows (wenty-seven cuts outlining the splenic tumor and tabulates the post operative results, giving the pathology blood counts and all clinical data concerning them.

The author concludes that a proper grouping of cases showing marked spicel growment with an anamin of the secondary type is a summer of the secondary type is a summer of the secondary type is a summer of the secondary type in a summer of the secondary type is a summer of the secondary type in the secondary type is the secondary in the secondary

SURGERY OF THE EXTREMITIES

DISEASES OF BONES, JOINTS, MUSCLES, ETC. OENERAL CONDITIONS COMMONLY FOUND IN THE EXTREMITIES

Cl zet and Dubreuil Action of the & Rayon th Development of Call Comparative Study of Radlegraphic ad Microscopic Aspect of Calling (Action des ra con X par le développement eto cal I' sele compar in des lenages rachographiques et mouroscopaques d'eal) I de pareiel et d'après de

By Journal de Chiracete £7# 03 x1 967 In the pilear spenment fract res were produced the legs of dogs and then immobilized in Some wer treated with Rontgen rays nd the dom killed after variable time i order t determine the influence of the taxs mon the formal tion of callua. Others ere radiographed but not subjected t long exposur ad were used t deter mine the histologi agmicance f the radiographic appearance of new-formed calling. He contactes

Cartilagonous callus unitune Iracture is not recognizable by shados The union may press firm upon clinical examina-tion as result of phrous or exclude noon callus, ad

yet the radiograph may resemble that of recent fracture.

I a dog not exposed t treatment with the rays. the bony callus makes is ppearance bet een the eleventh and seventeenth day I one treated by long exposure t the X-rays on different spect of the fracture the bony callus is delayed until the forty Erst day

If only one aspect of the fractured sortice has bee exposed t the rays the callus ppears first on

the or nosit side

These effects of the rays are the same bether the exposures are made before or fiter the fracture but the formation of the call is only delayed it foully PRESE CACET follow t portual course

Machard The Use of Tuberculin in Osseous T berculosis in Children (De Lempks de la toberculor dans la (aberculor: evanye ches les enfants) Res will de la Sesse romande, 9 2. Errel 115-By foornal de Characte.

Machard has experimented with TBk (Beraneck t berculus) in t enty-one cases of osteo-arthritic t berculons in children from four t fourteen years of gr. One f ngus orten-arthritis of the knes, ten coralgies and six spondylitis cases were treated by focal I fections and fou by hypodermics. II cases treated focally resulted satisfactorsly, four had doubtful results and seven, negative. In the fungus osteo-arthritis of the knee the condition was aggravated. The successful cases would adoubtedly have cleared up as rapidly under the usual treatment. I those treated locally the mount of local rea

tio and the hanges temperature varied greatly with the same dose showing no relation t the mount or quality of t bercul used. I fact the temperat re changes in patients who ere not getting taberenh and in the periods of rest of those who did get i jections were just as great as i those who were receiving regular treatment. Machard hof the ops ion that t berculus treatment of osteal and rticula t berculosis in children can not replace the other conservative treatment and in fact is da per out is certal cases.

Sahli advises seeki g negligible local reaction. herres Coulon advises strong local and general reaction. It seemed difficult t find the mount of TRL percesary t produce negligible local reaction. LA LETTE at ted in discussio that Machard terhasque differs from that used by Coulon. Gener ally speaking Machard uses eaker doses t four day interval whereas Coulon makes his injections every eight days. Further Machard treated cases of vertebral tuberculous in which the att belog i contact that he TBk. I the fongus osteo-arthetus case favorabl result might bave been obtained by subcutaneous i jections. Coulon

very encouraging, and that more ork should be J DUMONT V lotus Treatment of Surgical Tuberculosis by Mrs. of Light Rays (Oher da Labitelandon) of Light Rays (Ober the Labitebandens for characteristics Tubertaione) Handen me N'charle By Zestralbi i d pes Chir L Grenopela.

done along this boe

has had good results in adults as well as i children. Vallett believes that Coulon positive cases are

The that discusses the physiological influence of Eight, ath special reference t it remot effects. If review the technique of heliotherapy used by Rollier for it general systemic effect and by Bernbard for its local effect on the diseased area in cases of surgical t herealosis. Clinical experience t the Rappens manatorium has convinced the thorthat otherspy can be as successfully applied in the lowlands as in high slutudes if one takes advantage of the smiscial light rays. The thor employs the electric are light as ell as the quickulver vapor fight and the quartefamp

li believes that fight therapy is destined t take an important place in the treatment of surgical tuberculosis. "We can stat positively that light tuberculois. "We can stat positively that light therapy it present form it he lowlands can compete ith heliotherapy of the highlands. This has been made possible by the case with high natural and relicial light can be orehined. When the s methods are compared a capacit be disputed that artificial light has certar advantages. It is always at our disposal and not depends t upon weather conditions The amount and intensity of the light can be regulated, buch is not true of the arving sunlight with its uncertai ultraviolet constituents. The quartulamp furnishes richaese in ultraviolet rays which surpasses even that of natural sunlight of the highlands. BLANDES

Mibilier A Case of Acute Bone Atrophy (Uber einen Fall on akster Knochenatrophie) Dentsche mil. ered. Zixler Berl o 3 xid 387 By Zentralbel i d. gen Chir u. L. Grenageb.

Mailer treated a case of cut bene atrophy for

many months and states that it is deprable in such a conditio to have \-ray examinations taken as early as possible. The diseases with which this may become confused are chronic articular heuma tium, neuritla, traumatic joint conditions phiegmons of the soft parts, herpes meter etc. The typical findings upon X-ray examinatio are the involve ment of the base and head of the bones, not of the diaphysis, as is observed in chronic atrophy due to inactivity or senile atrophy

The author beheves with Sudeck and Klenbock that acut bone atrophy is due t tropho-neurotic reflex detembances and recommends, if the diagnosis is correct, energetic passive motion instead of the menal treatment of rest and wrappeng the limb in cotton. In his own case, the autho obtained also good functional result within short tim clusion, he points to the fact that in space of the good functional result obtained the hone trophy persist ed unchanged. According t his point of view the affection commes not merely in rare action of the bone salts due t the prolonged strophy but in a solution of the entire bony framework.

Melinens The Multiple Brown Tumors Found in Octoomskada (Über die multiplen branen To-mousa bei Osteomskada) Arck f bisa Chir 9 3 d, 153. By Zentrabl I d gra Chir i Granspeh.

The author reports in detail three cases which be classifies as cateful fibrosa atrophics on the basis of pathological histological studies in contradistinctio the ostellis fibrosa hypertrophics in which an increase i bony substance takes place. Ha emphasizes the fact that even in view of the appear ance of the brown giant-celled sarcoma-like tumors there is no essential difference between these two forms of the disease. The different forms of bony malformations he timbutes t loss of balance he tween the bone-forming cells and the bone-destroy ing cells, caused either by an irritation or a destruc-tion. As the cause of the disease is still unknown it is of importance t know that the author in three cases found definit hyperplasis of the parathy rolds. The findings reported first by Erdheim are therefore confirmed. In the interpretation of the brown tumors the author' views coincide with those of Lubarsch and Rehman. H considers the epulislike tumors not as definit new growths but as hyperplasias incident t the irritative and destructive processes occurring in the boncs. Symmetry.

Domingo Cystic T mer of the Head of the Femur (Lumer kystique de la tit du lémm), Rn. de l'Hesp Monterideo, o 3 vi. 1. By Journal de Chirorgie.

The patient some years before coming under observation had violently twisted his left lower limb

injuring the hip. He was confined to bed for one month and was not able t walk for five months. Four years ago the patient fell from horse upo the left hip. Following this accident he experienced nains in the incultal region. He began t limp and one year ago noticed a swelling at the outer part of Scarpe s triangl which steadily increased.

Examination showed swelling in the above named region and trophy of the hmb Movements were pelnful. Immediately Inferior t Poupart a brament there was hard fregular mass of about 8 cm. In diameter also several small glands. The great trochanter was increased in size. I ray showed a tumor the size of an ora ge, surrounding the head of the femur the anatomical neck and poer part of erent trochanter

Operation. Antero-external incision. The tumor was opened and bloody fluid escaped the cavity was heed with loose soft tissu and I the wall were smaller cavities giving the cyst sponge-like appear ance. The cavity was packed, and following the operation it contracted and healed. Histological examination of the bony fragments revealed cystic enchondroma. The author entered into a full consid cration feysts of the long bone. Salva Muscapit.

Brooks The Treatment of Gonorrhomal Arthritis, Bedingers, Month, 9 3, rivill, 4 7 By Surg., Gynec. & Obst.

Results in these cases re not good. The author had all degrees filmitati n of motion and believes from the hierature that such is the usual result in the severe cases. There is no such thing as an idiopathic arthretis, but a primary focus always exists with definite period of metastasis for each rgan ism - streptococrus, 24-18 hours grippe, 9 days days. generations to to

Gonorrhoeal arthritis gives sudden omet involving several joints of which all clear up but ne. Thus it differs from tuberculosis in which the onset is slow and never under three weeks after i jury The knee is the most frequent site if gonorrhoral ar thritis. Destruction is due to the accumulation and pressure of products of infection in the capsule. Brooks dvises expiration and I jection of 5 t 1

ec. of percent formalinglycerine tintervals of from a day to week. Ha secures extension by Buck a adhesive dressing with weight enough to separate the joint surfaces and reheve pain opens and clears out the joint, if aspiration is impossible on account of thick fluid considers vaccines next in importance t surgical measures and mes Neisser mixed vaccine from 50 to 500 million ta dose. Bier's hypersemia is of use in subscut stages. C. E. BRUE

Edberg Purulent Arthritis in Socklings and Its Importance in Future Deformities (Om porulenta spathemantriter och deras betydelse för framtida deformiteter) Hypcis o 3 kmv, soj. By Zentralbi i. d gus. Calr u. i. Grenageh.

The author reports four cases of purulent coxitis one case of omarthritis no case f simultaneous omarthritis and goodtle and no case of bilateral gonitis. The bacteriological examination verified the presence I poeumococci in a three ceks old co itis at phylococci (prog nr) in three cases viz in & cek old coulds tendass old omar thriti and a fi ecks of loss rtbritis and gonetie ad streptococci in t months old bilateral કલ્ક હાં concils tis (one three rek old and one carsold) ere not ramberd bacteriolog ically though the thor of the ops ion for valid reasons, that both ere due t septic infections. The thor is I thi connection are direct opposition t those of Roynng, who in %5 americal that in sucklings may cases of joint inflamm toms that re-desc hed service are in cabity I tuber culous t re. The uthot orroborates the prevailing unvertion as t the armifectore of scut enteric tarris bone no joi traffirmmations II is of the opinion th t the ratarrhal synorities of the old Yulkmann school is the usual pathological anatomus form not ober ndig the fact that estrai in pivement observed occasionally. The uthor bases has opinion pon the rapid bealing frequently follow og slight arthrotomes. None of the utbor cases ended fally the suppuration terminated feet on small newlon. Fortunat ly the thor as blet been the eases described for several years. None of the coultil cases, howell

luxation it the time of the first operation I it case of such omplet I sation developed th i subhecation fourth, 1A Tata conling t be uthor the l sation developed les freque ti the acut or se of the acress course. I habl these ut developed early para artic ular biceises the polar of the joi t perforated earl and the peales sprawon properties ere dimi ished. It is not eas I same that the I ta tion depends primaril upon the detension in case the lormer does not or ar before the capsule is perforated I wikl go there are no septic destructive I zations observed, like those that occur in outcosomewhat advanced ge. The myduc com most rema kable observations brought t light by radiographic examinations are the extenses tropby nd deformity of the entire intra-articular part of the extremity. There is marked incongruity be t een the head and the catremities in this respect, which is actured in a permaine force indirequency as the extremities re pproached. This condition is influenced by motion, muscular forms, and the burden imposed — all of buch tend t induce imations.

The thor possis t the possibility of radiographic differential dargonis bet een coogenital l'actions of hip-joint ad those resulting from coatti occurring during the suckling age. The withor cisions properly for these studies, which ere find described by Drichman.

In t cases of luxation of the hip-joint operative reposition was soccessful. I none of three cases of goalids which the nthor could observe was there remanent injury following upon pursient aribit

tis. These cases present a (avorable prognosis, presumlag early and correct treatment.

In a subsequently examined case of omarthritia, trophy I the head of the joint and soft crepitation were established but no tendency toward an habit ual I zation was noted.

GERTE.

Greiffenheien The Mobilization of Ankyloned Elbow Joi t by Means of Periorited Transplantation (Ber Mobilserung des askylotiches I Begrantient durch free Perioritizasplantation). 33 Petrol med Zelfe o t artisul ex-

Si Prieris and Z schr o j. xtmul, 43 By Zestralbi i d gra. Chr. a. i. Genugeb

For the wold/uration of an ink-losed ellow folial, for-fidendapara advises the interpolation of personal flaps which m v be taken from the table. It termoral of the periorition it is advisable to include cortical shers. The final rectain in 6 rel upon the freshood bone surface with the outcoplanted is or freshood bone surface with the outcoplanted is or final countries. The final rectain of the upon the surface with the outcoplanted is or final countries. It is almost completely mall of unarget to be least a served in one angle. The arm is kept once. Were

few weeks passive motion is begun. The defect the t bad personteum is losed immediately and no disturbance occurs. The athor described three cases.

31 rehal. Tra matic Lealons of the Menticus of the Knee (Liberta transpapers des senseques de grans). Ball A. mel bely é accident é sense 9.3 m. 4. By Journal de Chemyle.

M rehal reports eight cases of tra matemit, the knee resulting purp t, the internal memories. From these cases and those in the literat, to be has some t, the following non-income.

I puty t the memorus is produced by direct or indurect its matism caused generally by solden tortion of the lines

The netraal metosa as month fleeted.

The n inpromissioner is varied () Localized pain over the memories (b) hydro-anthrous, night or atenure () bration of the joi t as by foreign body (d) himmals of motion, especially extension, () boostaal moduli of the lines.

E terratio pr es better results than sur ering of the remascus. The operation is simple but strict asersas must be emplored. The author admess early explor tion in all cases of chronic leytroarthrons so that strophy of the triceps may be prevented. I Denovit

Barrow ad Plusmer Further Observations on he Use of I tra-articula RIE Ligaments in the P ralytic John of Policomyellis-Am. J Ord. Serg. 5, 2, 440

By Surg Gymer & Obst.

The athors h we described as previous paper technique despredit give before control of the more or less that joints following policosycitus. I brief the proced relist so ratroduce parafined silk int the joint as it hold the parts in correct captibearing porture and it the same time allow of cert is mount of movement. The silk is expected to ct as mechanical agent in holds g the correct posture for time bt, eve tuall t become in verted with st ong covers g of informs sear treuse which will act as interactivathe bed, it gament in effect somewhat filk the normal crucial ligaments of the lace

The operation as described in 1 like For ex ample a paralytic valges th drop foot small. inchion over the inner malleolus down t the bone. At this point specially designed curved Inil dia mond pointed ad the the politis entered int the bone ad forced dow and and for ward, traversing malleolus at galus scaphoid and inner cunestorm At the por t of emergence small incision is made and one or more stra ds of the silk led back through the tunnel the bones \ seroed insertion of the drill at the upper por t is carried t the lower not through the bone but through the interument round the joint and the other end of the all strand a led lack t the first point forming the loop. Thus is putted up tight, and tied pulling the foot int. slight varus and dominiferiors. A plaster splint retains the position for from t so weeks, nd modified shoe is then project and walking beaun

This procedure may be need t neduce both sides of the foot for drop int the or called not need to choose, or through the condyte and the beads of this for fail here also through the actions experier spine of the therm and greater troc haster for paral sto of internal rotations also through the acromision and head of humeres for pa alysis of the shoulder and subsequent livrations of the humeral head of sold the foot of the humeral head of the

The thors at t that all told over on joint have been so treated and almost all of these there has been marked improvement function ad poal

Earlier cases relapsed, but longer plaster has tion, lio ang longer time for the scar envelope of the silk t form, corrected this detail

There have been no infections and in aby three cases as it necessary it enove the silk, and that only iter period from three to it months. I all these latter cases there was no sign of infection. The silk was partially disniferanted of the re-moved the corrected posture—as well maintained by the international scar.

The authors ish t call ttention to the necessity for bod to escepts to the handling of the silk also all secondary deformity product g factors areast be ecognized and properly dealt with Contractures, strong opposing muscles et must be eliminated. If requestly happens to thook here complicates

at incurring happens in a knock knee complicates
faul valgus foot, not it is essential a correct the
knee posture as well as the foot. Other uch combinations Ill suggest themselves.

The thors state that they feel that this measure will find very uneful field in the early stycial treatment of these lesions, as there has been no destruction of joints and y late returning muscle power ill out be interfered with it also obvisites

a long and protracted period of apparatus treatment, and furthers the use (developmental exercises.

The a there do not advocate this method as the only treatment for fault jol to but in properly selected cases have found it the best method od very useful! combination with some of the other perative procedures.

Tourneux Sarcomas of the Tendan Sheaths (Les sarcoms des games tendineuxe). Rev de chir. 0 3, zhuit, 8 7. By Journal de Chirurgia.

The thor review 93 cases of sarcoma of the tendoo sheaths in 60 the tendon sheaths of the upper limb ere involved and in 7 those of the lower. The tendons of the hand, especially the flexors were flected most commonly returns is often the control rank and it mountlimes tarts, rapid growth.

already or sing timous. The timoris are isloutered, redish y claw in rolor and very vascular forms and the redish to the constitution of the role of t

The beginn gu low and insidence, rapid gro th audicates mai passecy. The tumor is 1 fars later lobular hard or classic and not reducible. The tendous and if are irror of late in the process. Para is lat rid not marked symptom. When the temore becomes maillymant it grow rapidly i waid g neighbornar tissues and becoming generalized by the blood stream. Generalization occurred in only six of the cases after it Recurrence in quit frequent (reases) and even the griant clear arromais even the grant clear arromais even the daily guidated from artimospownal cysis, are differently sociated. The subsection of the surficient and are difficulty sociated. The subsection is should be surficial and radical (the tissues are indifficulty of deartification of deartification of deartification.

I fourteen cases of round cell sarcoma there were eight recurrences usually a th generalizati and i axtern sea of the epitheloid form, aix recurrences. These recurrences should be treated by secondary amper them.

J Oxisoxy.

Spices The Gis t-Celled Sarcomas Originating in th Tendom-Sheath and Aponeuroses (Zur Letre de von Schneckhelde und Aponeurosen overkenden Riemmellensarkome) Frank Zulie Fighala

Faible y Learning 1 d. grs. Chr. 1 Gresageh.
Spiens studied forty-eight cases, exported in the literature of loan of his we abservable in grant to the pathologic-anatomic characteristics of order tumors (for the details the original work source to cossulted) and on the strength of his goddes came to cossulted) and on the strength of his goddes came to be conclusion that they are variety i greatly. They arise principally from the tenden sheath of the fargers of from the pathors of since the fargers of from the pathors of since the fargers of from the pathors as the control of the fargers of the fargers and from the pathors of the fargers and the control of the control

Diologically no definit cause has been found, and chrone granulate processor can safely be excluded. The development takes years, yet the tumors never the case of the development takes years, yet the tumor is definitely brilling they abound our recur after thorough the probaboles and nomine characteristics. The probaboles and nomine the construction of the probaboles and nomine the construction of the probaboles and nomine the construction of the probaboles and the construction of the case of the tumor is about 10 to the case of the construction of the case of the

Ficing The Gra forms of Tendon Sheethe Herstolore Defined as Glant Cell Autrona-My Jorna to Uter the behavior the Researcheau Arone —It thoses—been behavior of resultation speck had der telegraphical Designs Marke (One of comp. on By Zettar M. 14 age Cell. Greateb

Fleising had occusion to observe to races of tendon sheath t more during the past t VCEIS. The large majority of such 1 mors ha previously been considered gia t-relled sarromas (in cloma) New detailed investigations have she in however that these tumors lack the principal diagnostic point of proplasms, such polymorphism poly bromuse destrocth levels of surrounding theres of natous. For the recognition of such affection the macroscopic appearance, such as their small age they ragged structure and their yellowish marbled pressure a important fo support of his few Flewing cites several illustrative cases from the hterat to These era plomata t Le then one more frequently from the readon sheaths of the fingers especially from the flexor tendons, more rarriy from the tendon sheaths around the malleoff and the radiocarpal joints. They do not recu The conclusion may be drawn that no multist ng operations re necessary but that the careful extercation of the discused tuson pelices. I war

PRACTURES AND DISLOCATIONS

Deforming Fracture and Distoration of the 1 terms Meniscus of the Kneet Excisions Core (Incitate of brasion of measures interes on groot miniscretomic gostroos) Buil of most See de disde Per 9 5, xxxx, 481. By Journal de Chicurgic.

This communication by Depotating was presented by Lelars. The latter posited out the narity of operation for levious of the measurem in France, hich is it marked contrast t. it frequency in England. The case operated upon by Dejouanny, as that

The case operated stone to recognize the of early regions who was thrown from horse and whose leg was forcibly fixed and retarted out and if as soon the go bout his work but frequently slight movements caused the limb to become locked in semification of the fixer lockst full of fined.

A disposit of trustatic lesion of the internal methicus was made. This mentions a scale premoved and found it consist of its premoved and found it consist of its premoved and found it consist of its premoved and found it consists of min. and grams in be that the posterior fragment being rangly folder out the anterior. The saterior fragment was itsched to the this the posterior free in the foll it evity. A Perfect recovery was obtained.

Lejar mentioned several cases in which he had made diagnosis of trauma t the internal meniorus and reported one if these on which he operated Her there was merely very movable cartilage likeh as removed. It as still too soon t judge regarding the result.

T make diagnosts of this condition there should be sudden painful fastation of the lare followed to the painful fastation of the lare followed to the third painful fastation when the lamb is extension but disapper ring hear it is factor. A total marketcomy is the only manner in Just to obtain a perminent cure even if it is only become and the painful fastation of the painful fast to the painful fastation of the painfu

Demonha, Michon, Arron, Karanson, T filer Qufa Manclaire and Lejars then reported series of cases of jury to the internal menicus and discussed the etiology diagnosis and treatment of the condition.

Gelinaly. The Frentzeent of Fracture of the Calcancern and I juries to the Middle Boots of the Foot With Littersteen (Die Erroreinschauflung ber Calcanerinfraktie und der Verletzungen der M. Hellowhachen J. Francis I. Cale of J. Mon. By Taurilla I. d. prz. Chie a. Grengrie

In oblique fractures of the on calcus in hich the arch has saulen, as in flat foot, the uthor advises tendo achilles tenotomy lib extension of the foot by means of thin board fitted t it This is t to hed t the previor part of the foot 1th adhesive planter and t the heel by strong aliver wire hich by means of thick round, straight heedle is palled through the angle bet een the origin of the reado achilles and the tubercle of the or calci hollow of the arch rubber spange is placed Extenslop is applied by means of a cord police t the middle of the board. After t weeks the sponge Is removed and the bollow is filled up with plaster of Paris, the board is fastened t a plaster shoe and the patient is allo ed t walk about A similar method without tendo achilla tenotomy is policable to malleolar fractures and all direct fractures of the middle part of the foot. Systems III

Hardsein Conspirt Backward Disferenties of the Kreer, Carre by Gesti uson Extension (Lavuson complete de groon en arriver guérison par l'extension continue). Bull et mes Set de chede Per 9, p. xun, soo. by Journal de Chiergio.

Hardouin reports the case of jorkey who as thrown from his horse and suffered backward dislocation of the knew This reducible, but only not reason in place. then al kgm. extension weights were pplied which kept the knee i position. After 3 days the exten sion was removed after 34, the patient walked, and after 45, he left the hospital. Six weeks later he was

able t ride in races.

Hardona then made some clinical and speciment al researches and found that there ere it types of backward dislocations one i which the posterior cervical literacest alone in destroyed and one in which all the ligaments are form. I the first type the dislocation can occur only back art in the second the head of the thins can be carried forward of also not desired. J. Devorr

SURGERY OF THE BONES, JOINTS, ETC.

Murphy Old U nited Fracture of Anatomic Neck of the F m ; with Ruggestions for the Immediat Treatment of this Fracture South M J q 3, vs. 15; By Surg Cynec & Unst

The rethor tirst discusses the uses of non-nion of fragments in fact re of the neck of the femu under all f rms of treatment ad ax lades by say ing that there are ert in fractures of the eck which more to it in non-unio so matter but from of treatment is employed abort. Loverate procedure the reason for this being the interposition. I tissue between the ends f the (ragment It is in these cases that open operation is pour elv indicated. The operator follow no single plan a spoung the sent of fract re, but certai cases uses long-tudinal incuso and a there U shaped neuson When the trochanter must be removed the U-shaped Incusion employed ad Cigli saw is then passed beneath the myscles (tuched to the trocha ter ad the trocks ter divided. By detects a the leg ad turning the foot out and the fract red and of the neck of the i mur not the shaft ar earth exposed If the trochapter is not t be removed the neision should be traight on I this case the fuscia has is di ided, and the fibers of the gluteus mechus muscle re separated giving one immediat acress t the fracture I the neck of the femu-

When the terporing tissue is removed the ends of the fragments are fresheared of approximated T comore 2, or penny sure nails reduced through the neck int the head from the shaft side of the hone. The true hanter if it has been removed, is then naised it positions with one sure and. The ott parts an arrand, the wound closed subtout Gallage. No mast in applied. Both legs are then of the flexible part of the spirit is order to nailtain, helper time, and the spirit is order to nailtain, helper time.

The planer of First cast, including both hips ith bitution of both kep, meets the conditions I impacted fractures, but it is very inconvenient t be patient. The so-called railway splint is likewise deficient. However no splint, even with extension, adduction or lateral traction, can accure union of the

fragments when the capsule or ther soft throw lies between. The amount of traction should vary with the musculature of the individual usually between 5 and 55 pounds. The author drives the use of the old fushioned diachylos moleculi plaster as rubber

adherire plaster frequently produces an eczema. The a they cautions against applying the Buck a extension so that pursuare upon the external popilical acrive may not occur where it passes around the neck of the fibeds, lest foothrop result. In applying the cust a window should be cut at this poly

In from eight to sixteen weeks, in adults, bony union will take place between the fragments of the ack of the femur. In children from five t eight weeks are sufficient to produce firm bony union.

If no it this bone more stricture a worst is more

I B of this bone work strictest ascepts must necessarily be maintained. FREDERICK G. DEAS.

My The End Result F Howing the Radical Operation for Americal Tituderculosi for the Ad It (Dur das Ludreschat radical operative Resprical schrikkom bei Erwalnesco) Dentick Zieke f Che o j. cmil j Chernick Ender Dentick Chernick Dentick f Chernick f Chernick Chernick f Cherni

Since Brandes reported the result | | | | | | ases of knee jos t t bereviosis p to the filter th yes the thor now renders the result I those over biteen \mone seventy-seven cases mout too a performed seventeen times (eight times primarily and more times secondarily) In the three othrect mors ne excellent result was obtained in an eighter ext-old guil after excusion of the hatula. exceedingston of the provide membrane drainage of hypersenia. It is now ten years since the onset of the disease her gait is perfect her movement complet nd she is shie to dance. Of the forty eight resections which did not need accordary amputatio the author was able to examine thirty Detronall The pregation of choice the curved method of resertion according t. Helferich, By means of eight astructive tables the a thor gives the clinical ourse, findings, duration and result and treatment

Final rults. A total of seventy-serve operations were performed a many-serve adult prillent were performed as many-serve adult prillent were performed in the server for a server for a figure of the server for the

Göbell The Treatment of Ischartic II scular Contraction by Free Muscle Transplantation (Zur Bestigung der ichträchen Mankelonizatur durch freie Muschrampiantation) Dentrick Zuchr f Chr. 9, 1, cml., 1, 1. By Lentrick i. d. pra. Chir u. l. Grenzph.

Following redressment on account of flaxion contracture of the right elbow after n extensive

by outside forces cting on the eakened parts they are not caused primarily by unbalanced muscular action but by a loss of some the force of gra ity or the pressure of the body eight being too po erful for the paralyzed, toncles muscles. The aistic muscles and themselves the ed ad therefore contract somewhat t tak up a position in which they Mregain their tone After constant repetition of the def rmity the new tone becomes normal and the m seles are unable t relax to thei former position. Const t ontraction and disuse cause them t trophy and n time fibrous changes t k place he h further exaggerat the deformity While these hanges re occurring a the paralysed muscles, the opposit is the case in those para lyzed the latter are gradually more and more over stret hed and as result healthy muscle the that prive catabery fortal) at d the bigaments, hones and joint undergo secondary hanges.

The treatment is t ken punder t keads I'T her bestment which the most im port t t used re t indentify the p relyard Dittacker. is as possible mi ret in the himb in such assumenthat they ill be full reliated from ourse of massage electric to muscle beating and other means of standards m ; be a writted Plaster of l'art. plu t. are not recommended on action to of their eight and the impossibilit of apply g message. The part should be retained slightly user offer ed position the spiint of Philai should be one outsequesty to the eviden that no t other inprovement If tak play or the muscles and to the tests if recor CT) 48 NAVA paral ed in sches share some strength ulantary as non-should be ouraged

with deform to be be delivered because it deals to be be reall to substitute the substitute to the sub

such measures as muscle and tendos transplantation, arthrodesis tod perve anastomosis.

I' cases of extensive paralysis which do not re sprond to mechanical or mechanical measures and are sensitable for surgical treatment, some form of apparatus can usually be found of advantage. The author takes up in detail the consideration of

The author takes up in detail the consideration of tach individ al deformity describing the methods of prominent uthorities. Rosez B. Corner.

M Ichior Madelung Deformity of the Wrist (Die Madelungsbe Deformitt des Handgeleaks) Ergebe d Catr in Orthes 19 5. 1, 650 By Zent albl. I d gen. Cher. I Grenageb

Madeling a deformity! of rare occurrence only bout security's cases in bee published. Methods and others (Deptay Secrets) orsider; to probable that recent judy as mopor! to do the tolology as other rachits phenomens usually accomp my the informity especially the presiding and irrationary of the rachast people. The try to because of the size and of the epiphweil kee or bostone of the size and of the epiphweil kee to be to be a size of the cases. The try to be a size of the cases. The try to be a size of the cases. The try to be a size of the cases.

protageous solderations of the hand interactive. The son-personaprive name Mailedings of everyone to better the date to of the diverse is sot dear. The term rivel should be projected at the projection compil described for Maidel and handle for the term rivel posts for the projection of the date of the projection of the date of t

leferming depends one most the external configuration, but post has postion of the datal of of the adon us both the displaced wha plate only as rediary the. The course of the deformation only during the period of form too. Other use it only during the period of form too. Other use it one ad one half can be decrease remains stationary and produces only concerts, definite, the however cannot be laddered by pastrocomes. I rendiation the utbos retern is the reversed form of the delemitation of the desired by the station of the delemitation of the desired by the station of the delemitation of the delemination of the

SURGERY OF THE

Noré-Joseph d, Sary and Martini Malignane Cubital Neurofina (Neurone mula ducabu i) Premer mili jarri, j by Joseph de Chrungle.

The uthors report the case of boy years old iso had a t mor mars i has left arm the mars of an orange which was first noticed alx months before. On examination hard rounded sociales era found all along the course of the great vessels of the arm. There as no utilists of subclavicular lymphadenopathy or functional disturbance.

VERVOUS SYSTEM

At operation the tamor as found t have originated a the cubital between d t have attended by small neophistic are the along the course of the acrive up t the amile. Two years later there was recurrence i the atlia which was removed, but returned after a years. The patient died following the removal of this. These diverse neoplasams of the nerves of the arm, more commonly of the cultithan I the cubital and median, make it possible i the course of each operation to start what sort of neurona is present.

This case presented the usual clinical symptoms as it began in the deeper tissues, gradually involved the more superficial and did not give rise to disturb-

ances of f notion or general health.

The first tumor was excised with some of the nerve the cut ends of which were brought together by catgut. The nerve soo I netionated as is so frequently the case following excision 1 erve tumors.

Illustopically this tumor was a sixtom of the cubital nerve and the question was did I develop from the nerve fibers or the nerve sheath? The uthers believe this to be tru neurona developing from the sheath of Schwan and not from the fibrous timus sheath. The tumor cells were falter mitted it the nerve fibers of the sheath was loaser. The tumor did not it wade the neighboring trainers.

If t Sciation and its Treatment Met Rec 9 3, hoxes 53 By Serg Grace & Obst.

The causes of sciation may be grouped under four beading. () Intra prive disease. () constitutional stat. (s) damage to the serve frunk (s) damage to the searce flux boart. Occupation (s a fattor in the production of sciation—I this respect exposure over-exertion and pressure enter—t consideration—secretary.

The symptoms of sciation to pain, galt washing of the inmedes, tenderness i the nerve t pressure, sometimes loss of the knee jerk. The course it sciation is long tendious and discouraging.

The treatment must depend upon the cause. If theumatic, diabetic or d t pressure the emedies must be proportion. If there is no discoverable cause, treat it as a primary neuritis. Rest, protection to the leg and counter-trutatio at th most valuable remedies, while cupping and leeches help but the Paquell ca tery is preeminently the best of all local remedies. If the case is severe inject on cc of normal sabne solution into the science nerve The injection may be either below the knee in the peroneal branch or above the main trunk. B the of all kinds are of benefit. Hot air is questionable. Hypodermic injections of morphine and cocaine are dangerous Massage may help Stretching the nerve should be relegated to the last of remedies of hat resort. As let as medication is concerned the hat is large transce oil, strychola ad methylene blue re valuable. The most important thing of all is t Levy up the general health of the nationt. T attain this end report to nerve foods, tomes, and especially f t-producing loods. Avoid keehol Give ttention t the after-treatment and do not discharge the policin too early

De Luce Action of th X Rays on the Peripheral and Central Nervous System. Ack Rest. Ray o L NVII D. Dy Surg. Gyner. & Obst.

0 y xviii p. Dy Sury Grace. & Obst. T test the sensitiveness of central and peripheral errors than to \(\text{-arys}\), experiments were made on extract and guines paps. By protecting all errors a small area over the benin spinal cord or actatic nerve and by protecting these superincially with filters, massive doese were given without grave constitutional effects and with no local effects be good episition. In no case did the irraduction result.

in garajysis or even minor motor disturbances. These researchs the to rover that the ourse call and fiber dements are at the lower end of the scale of rulio-semblity. This agrees with the provious fieldings that cells with higher and faced functions such as are lound in the rettlem, nerves, muncles etc., are relatively informe to the action of Nays. Such tissues are loungable of regements and are to be contrasted with tissues containing young cells such as are seen in the liver boose, and greital glands, particularly it their growing o multiplying states.

It has been argued from these facts that it is the uclein content which determines the ratio-sensibility of all cells and by this measure nervous tissue would be classified low in the list on account of its small proportion of chromatin elements.

HOLEN E POTTER

Oeblecket The Symptomatology and Surgery of th Distu bedoes of the Phreni Nerve (Zur Efinit and Chiruyle des Verves Phrenicus). Lesmals / Chi. 9 3, vi. 83. By Lotanbi I d ges Chir u. 1. Grennych.

On the basis of a number of observations the author comes to the coordination that is inflammatory condutions and in mechanical irritation of the endings of the phermic nerve in the dispharges a pain in the shoulder of the sum side is felt. Alayo-Robson was the first to point out that pain in the hand of the was the first to point out that pain in the pain of the

The infution course be periphery of the phenesis perce is transmitted by the central gangbon to engaboring sensory nerve mots, especially to the absoluter as the placing large to the phenesis entered as toos the found cervacian too. Othincher stackes significance to the motor part of the stackes significance to the motor part of the large testing the peripher of the course of the large testing the devided be phenesis on the suggestion of \$1\$ error, and to the tange of the large course of the large part of the tange is which no account of the large part of the tange is which no account of the large part of the tange is which no account of the large peripher, callepse of the 1 ng cannot be obtained. He performed the phremostomy in three cases and gives details of the technique. He does not believe that the side reactions include to the Kuchakampi phene anneathests, as described by Sicres and others, see due to limit to not or parents of the phrenic cerve.

fracture n ischemic contracture frowbeige the second, clief Gourt as of Shi fagers set fin. In mid-positio of the hand almost complete Section of the ingers was proven; belon increased its dorsal fection, tooled itempreted to perform free transtices. The second of the second of the second provided of the second of the second of the was clearly offers ted not force to blint showed nathed nd the profusalos err ma ked, follows deponention, so to the being farted ben the missdeponention, so to the being farted ben the miss-

le cet 4ft the Beroot ere severed can bon the terafluous part the fingers reliaved and could be straightened. In the defect 3-6 in long the following master pieces ere implained the upper end of the sartourus int. the fieror prof tolds that part of the strend bloops belonging to the tenth in ercontain over the moveles ere fin planted int the model ere tenth fine the model ere fine planted int the model ere tenthalitosis of determine the previous of model films of the tenthalitosis after treatment ording tip force, with furnification in fall may be four many to ensure that gibe for any the four model of tenthalitosis had propersised. I that the extended 6 tenthalitosis had propersised it that the extended 6 tenthalitosis had propersised.

the rule of the narrow returned. The result outle not be throughout and the throughout and of the throughout and of the muscles then all my a too severe and an approvement or reteriously after several months. On the other hand, the transplat it outle my her returned if no non as the letters all stimulation never used a sendated intraction of their in plat it wordings the experiment is observed by the without it is the letters all stimulation never as a large extent and the constant of the contraction o

Müller The Opera by Treatment of Lame Feet Bestrag our Opera son gelaborter I shoe) ZeatrafV f Cher (a.k. 8 Zeatrafli i d gea Chi strangeh

1. Operat no f per hancus paradyteus I undated pa al so of the garanceons of solens muscles. Multir uses the fector longers hallows no the ner under the fairbest posterior or powerful and the fairbest posterior or the fairbest posterior or the fairbest posterior or the fairbest posterior of the fairbest posterior viter fairbest posterior of the fairbest posterior viter fairbest posterior of the fairbest posterior viter vit

he carries them through the holes made in the calcaneus the media and interal side and drathem tant so that the foot rests in plantar flexion.

If then our resubsecretail and of the factor hallinds to be tenden of the promous bereis, and the entral end of the personnishers it the tenden of the factor longer hallouf is obtained as muscle with to beads. The tendo a fillies is then shortened by folding t positised. The foot is fared plantar faction for four or for each.

III. Authrodeck of the taborareal year 1 puralysis feet. The dist of it is abiliare: the taborarial joint occurs either a varias or signa position of the foot of not in the taborarial joint which forms broad red. Müller tuffens the Chopart and taborarial and the process of the cartilages. If these obtains a foot hick not postrious for the cartilages in these obtains a foot hick not postrious forms of the cartilages are not considered to the cartilages and the cartilages of th

Yedova 5, pencundy loid On copia the Ampuration of the Ferm 1 for Sharabi Artificial Len-Lupotation (fromthe supracoul forme etiopiatope & especially a calcult for RL states et al., 18, 317 By Journal de Chernical

I the case of the lower limb resist neet 1 pressure the hard goal by the simple for The outcopia-time of instead of the medallary casal and the actionability of the soft parts bettern the home said to that had been a first important. Different suchool of obtaining this revolutions were studied, especially in a 60 init.

I the contraction the contract of the losses of posterior is turning back the patella mid-hilling it i plas is rotting at lugaments i the factor treations (tolollam, method). The uthor believes that the stamp, sold he made more serviceable if a more he outcontaineous flag, replay of believe the lone is mp being in de movable by the finition in demonstration and extremely of the for.

Instead of remoting the patchic cardiage is Gritti does victor. Insert the patch little is Gritti does victor. Exercise the patch little is also need at large veriel end for the former translated by interpreted bose from the condition and translate the outer the bony stomp. The dot is translated the outered little two percess must be set exactly perpendicularly and the firm cut of the patch is the prefer the former than the condition of the patch is the critical to ever the stump as the Critical pressure.

The other has trird the technique I only one search he been like I follow I for only abort to roll I is, however for orable impressed by the good for tion of the plastic flap the persistent mobil I of the parella and the good preservation of the nursiles the head I in Asserting

ORTHOPEDIC SURGERY

DISEASES AND DEFORMITIES OF THE SPINE Henderson The Operative Treatment of Tuber culosis of the Spin 5t Paul M J 9 3, XV

By Surg Gyner & Obst. A brief résumé is made of the conservative treat ment and the principles underlying it. The author refers to the importance of securing specity bo y ankylosis in any tuberculous joint. This is the

object of the treatment in tuberculous f the spine. The technique of the H bbs and Albee operations in described. Any operation which will hasten the cure in these cases should be looked upon with favor In a sthere were 35 cases of Pott discuse seen in the Mayo Clinic Of these 6 were operated on.

The Hibbs operation was used in three and the Albee operation in three The age of the oldest patient operated on was 4 and that f the youngest, 3. The carrying out of support by braces after the operation was just the same as if no operation had been performed. Three of the pattents were cases not controlled by conservative treatment prior to operation. Their course since operation has been one of steady improvement. Recumbency on a Bradford frame for at least me month after operation was insisted on. Following this, the use of a Taylor brace as required

A detailed report of each case is given. It is stated that the report is essentially preliminary but the results are encouraging.

MALFORMATIONS AND DEFORMATIES

Ludfoff The Open Reduction of Consenital Hip Dislocation by an Anterior Incision. Am

Orth Surg 9 5 x, 458. By Surg Gymer & Obst. The 1thor describes a method for the reduction of construited inxetions of the hip in those cases in which manipul tive treatment has falled, or has been followed by more or less complet relapse. The causes to these failures the author seeks in the pathologic anatomical relations of the congenitally dislocated hips, and his technique is designed to overcome these difficulties. His findings would show that although the head may be so manipulated that it is placed to position upo the acetabulum. when the thigh is in extrems abduction and outward rotation, there are strong forces which act to reluxat the femoral head when the position of abduction and inward rotation is approached. These forces would seem t lie in the tension of the very strong upper and lateral parts of the joint capsule, and the tension of the illo-peous, when the head is placed in its new

cause the reluxation when bduction is attempted, and would, in certain cases t heast, prevent form anthorage.

position These factors, combined with the flat acetabulum and tissoes forced under the bead by mampulation

The chief steps in the operation follow With the patient on his back and the pathological thigh at right angled beduction, an incision is made parallel t the axis of the femur from Poupart a ligament bout 5 cm downward on the lateral border of the abductor lungus, leaving the pectineus and great vessels on the medial side. The exposed capsul is incised, a d the tendon of the illo-proces is separated from the lesser trochanter and retained for later lengthening. The incision in the capsule exposes the acctabulum with the pathologic limbus and infolded membranes lying in front of the head. Inchion of the athmus and the limbus will allow the head to correctly enter the acetabulum but dd ction will produce relutation. As I cision of the lateral and upper parts of the capsule along the inter trochan teric has permits of a position of 45 dduction and inward rotation without reluxation. With the head in this position, the capsul is sutured as far as pos-

was allowed t walk with a high shoe under the well foot. The theoretical question of the weakening I the capenie by extensive incision and incomplete closure is considered, but the practical caults would seem t show that a compensatory firstion follows the operation.

sible the Blo-paous attached and the wound closed.

In the other's cases plaster of Paris splint main-

tained this position for eight weeks when the patient

In the three cases cited in the paper good results have followed. All were relapsed cases, but follow ing the open operation the reductio has been maintained in no case, two years in another ne year and in the last, nine months. Some antetorsion has followed a all the cases.

The author concludes from his experience that this method best deals with capsule and muscle tension described above, and that som method of despening the creabulum and strengthening the capsula would still further improve the results of the reduction. W W PLINOTT

Campbell Th Causation and Treatment of Deformities Following Anterior Poliomys-Dile. Idink M J 9 3 x 301. By Surg., Gypec. & Obst.

This paper in t o parts, takes into consideration the eticlogy of deformities in infantile paralysis as well as the means at our disposal f the prevention, amelioration and correction of deformities which remain as result of this disease. The author divides the etiological factors into two classes.

z. The traphic or an presentable deformittes which comprise those which occur as a direct result of the complete destructio of the ganglion cells by which is cut off the trophic influence to the part.

s. The presentable deformities which appear any time after the paralysis These are not due, except indirectly to the paralysis but are brought shout

DISEASES AND SURGERY OF THE SKIN AND APPENDAGES

Davis Excessive Thickening of Thierach Grafts
Caused by Component of Scarlet Red
(Amidoarotoluol) Ball, Joint Hopker Hop
9 5, 1217 78 By Sur Cynec, & Obs.

In the first place Davis states that h is fully convisced of the power of cylicidial stimulation of certain of the organic coloring matters, namely scarlet red, soudan III arodoen, pelifold, etc., when applied locally to granulating wounds. During the past four years assumed to exhibit a articles have been published by well known havest articles have been published by well known havest and the state of the property of the granulating wounds of varying etabology of an

every situatio The use of these coloring matters has also been objected to by some the ground that there might be the possibility of producing epithelial over growths baving mabginant characteristics. Davis states that the consensus of opinion, deduced from experimental and clinical work, is that such danger is not great. However he sounds a not of warning against the indiscrements use of these substances by mexperienced persons, and he reports case in which there was an overgrowth of epithelium following the use of amados sotolool in ulcers due t burn in which Thiersch grafting had bee employed. The patient has been under observation for over two years and half since his ducharge from the hospital and there is no sign of mahanant degeneration any where The skin, bowever shows distinct over growth of epithelium of pebbly formation.

Sutton The Occurrence of Cancerous Changes in Benlg New Growtin of the Skin. As I If Se, q 1 cal 3 q. By Surg Oyne, k Ose. The thor supports the view of McDonough.

who has mad a study of the alin from the cyclids and the meso-facial grooves, and who thinks that all new growths of these regions are atavistic. The suthor reports two cases in support of his views.

The first case is that of omas who for boot thirty few paran had had warty or be vary log in size from millet-seed t an English related, which gradually forcessed in under multile god abe had more than seventy distributed asymetrically over the face and chose. One was sectioned and found to be Typical scanshoom decodes cyuticum of Brooks. One year ago a small or sid timore appeared

the inner carbins of the yrs, which is the course of few wreth britch down and circurded peripherally. Despits treatment efficiently it could not be distributed for spitchelows. The second case is the disspiter of the woman whose case is reported bow upon the few britchelows. The second case is the disspiter of the woman whose case is reported bow upon ber forwhead, which were pink in wher patients, irregularly distributed and slowly increasing unable. They remained sustainary after attaining the also of a gram. I when, except one located much the second control of the course of reduced to the course of the cour

Tumors so closely allied in histological structure and origin occurring is mother and dampher polar at least (chinful relationship bet een aranthoms adenoides crysticum and rodest ulcer II A Porrs.

MISCELLANEOUS

Grossa E. Bernare.

CLINICAL ENTITIES - TUMORS, ULCERS, AB-SCESSES, ETC.

Sykoff and Nenj koff. Malkinant Termore from the Blelogical Standpoint (Die bharriges Nenhiklungen vom bedopterben Standpoikt un) Rewess wilder 91, vil. 65. By Zentrible L. 6 ges. Chir. L. Gresnaph.

By Zeinfall, i.d. get. Chr. I. Greenpel.
Three general blookingth have may be set down.
Carricorata occur during old ago and auromats during yout. In some precise the tradeout of or method to the second of the control of the contro

 other hand, embryonal rests, variations in metabobset, and the lowering of xidation processes also play an important role.

play an important rola.

The present investigations have been conducted

in regard to the oxidation ferment of tumors in general, and in malignant growths in particular The ferments are classified int lettaises, person dises and oxidates. The other then gives detail his method and the results of his in cours tions.

He carried out total of no experiments and came the following conclusions: Peroydine in decreased in cancer cells and increased in aerocatella. Statulars in decreased in cancer cells but not in surrooms cells. The degree of decreased motioners in a paymently in relation to the natural and mallignancy of the new growth. The modern substances of the cancer cell is changed. 5 Electrochemical lawestigation make it probable that me desting it he likely product in the cancer cell.

and ith and products in the sarcoma cell 6 The must relation between nucleus and protoplasm is disturbed in the cell of malignant new growths 7 The cells of carcinoma and sarcoma are differentiated by their chemical and biological characteristics not only from the cells I normal thanks but also from each other STUCK

Nowell An Etiological Factor in Carcinoma and Its Possibl I fluence on Treatment Bases II 5-5 J 9 3, chrok, 838 By Surg Gysec, & Obst.

F more than a year the uthor has been investigating the etiology of carcinoma. While the results are not final, he reports the facts as they are t present. The experiments ha been carned out with great care and each has been accurately controlled

The a thor states that the ell know fact that carcinoma develops in the wanting years of ctivity time hen there is a marked metabolic change going on synchronously a the ther retrogressions. With dimm twn (the met bobe there is similar decrease in the exerctory functions. As long as the change in one parallels the ther the equilibrium of earlier years is maintained but I through some cause the excretory function suffers more rapid impairment, an ecumulation of wast products in the system must mentably result. Such an accumu lation operates unlayorably on the general organism and nowably might produ i given group i cells

morbed curvit then forming other ad deleterious wastes. Further should some extraneous exuse operat it produce waste matter in excess of the impaired chiminative machinery, the result would be

In this connection the uthor brings out the f ct it is conceded by many that malagnant growths are primarily of traumatic origin. Traumatism here is used in the broadest sense t mean the filling D f

gland canalog mechanical pressure, the formation of scar times in abort, anything that tends t prod ce irritation. Wherever there is nature rushes to the fro t greater cellular produc tion takes place the extent depending on the health of the individual If however the control of this production is bnormal the increase may be so great as to cause pressure which, in turn, breaks dow the surrounding turne by flecting the blood and nerve supply Under certain conditions these degenerative changes may result in further production of d leterious bemicals As it has been established that certal waste products have decided action on the inhibitory centers, it as reasoned that in the above condition cellular production might be subject to constantly decreasing control resulting in constant ly increasing velocity of growth. Thus directly through the impaired eliminatio of normal waste, or indirectly by the formulation through exprenous causes of abnormal waste, groups of cells much be excited t pernecious ctivity Thu, in t ra, might be productive of other deleterious wastes through which the control of the nerve centers regulating

cell ereaths might be i juriously affected and the exercise of their function inhibited. Finally such inhibitory effects would possibly show progressive characteristics, as the infinence would propagate its dated Californ

The author states that if this theory of the origin of carcinoma is correct, then the tumor or the tissues undergoing these pernicious changes, should contain the torse substances responsible f their continued growth and propagation. A failure to bolate such substances would not wholly prove their absence, as they might readily be compounds

f such intense toxicity that the beryed effects could be produced by quantities far less than could be detected by any chemical means. If however enoreefable amounts of the toxine or toxines are present they should be susceptible of isolation. It is along this line that the author has conducted his

experiments.

Briefly he uses the following procedure in isolating the tonic substance from the tumor tume after it has been proven malignant by chnical and histotorical feedings. The freshly extiroated growth was carefully freed from f t nd extraneous tissue cut into small pieces and digested in water at oo fo meny hours. The solution was filtered and the cidined and boiled. The sol bie proteins were thus removed. The protein-free filtrate was exactly neutralized and evaporated t syrup. This was carefully extracted with pure alcohol and the extract after the removal f the alcohol by distilla-tion was repeatedly treated with other. The residue sas then dissolved | water strongly acidified and

gain thoroughly extracted with other. The extracts ers then collected and the solvent removed by distillation. The resid e was dissolved in a terrendered alkaline, beiled [r half an ho and arain filtered On spontaneous evaporation, long white needle-shaped crystals separated. These were purified by repeatedly washing in water crystals in the purified form were the basis on which Nowell conclusions were drawn. The exact nature of the crystals has not been determined. As they have been freed from all organic life any results which may be obtained by their use must be referable to the inherent chemical nature and not to the presence of organized lif in any of its manif ki forms All the sol tions used were carri ily stenlined

The author condicted many experiments with the rabbit and gunes per The results are fully described. If comes to the following co clusions

A procedure has been developed whereb a substance or substances may be molated from ca canonials, the method preduding the presence of

reanic lif in the end product. This end product has been about to be of a

highly toxic boracter 3. The peritopeal exodat produced by into deation is far more toxic than the original sub-

4 The tumor substance has been abown t possess not only general but also specific t

since on injection int rabbits in loses of less than lethal amount it ill produce well-defined, well haracterized carrinomat the sit of the primary lesson being different from ad independe t of that of the Jection

5 The prearant of the primary lesion as followed by the development of america metastatic foci diff rent part of the body hile the charac

teasts hexa manifests uself

6 The possenous tumor preparation ha been show t be haracteristic of carcinom ta. 7 B the repeated injection of ery small doses born mber of rabbit ha been mm a-

tent 5 The serum from the azimula thes immunited possesses the power of ant gonizing the taxic crion. of the tumor substance. This has been demonstrat.

ed by jections of the serum either previous to or amultaneous ith that of the tumor poison I both ex nt no fleet is observed from qua titses of the pouson h h, if injected alone outli product
pully f tal toxication

o Il the the um it proof apertuog of porson and and lind it it been show that one part of the

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latter all fire wally tempers on man of the forms

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morrosconcel twin of The art le eprese t my long the ground of these careful to ex gratuum he thor detties the occurr ox of trace ses of my clones of the bone marro met 🗢 M lom t be onsidered disease fleeting the hole armatoposet pourates hyper-plant a the bone marrow ells. The so-alled met at ses tescribed by former without ought t be looked to pregionicial set. The latter rehyperni atic and tions of the hamphold tisrues, but these ret befound also the internal organs neler normal onds some II sr

BLOOD

Whipple and Hooper Huma of enous and Ob-tractive Internal Experimental Studies by 31 ns of the Eck Fistula J Lap Med of the Bry Surg Green & Olust

In study g the various types of science the thore made use of he Lek not la. T. samulat hamatogenous pundere laked red cells ere jected intra enously int ontrol and Lck feetals dogs, and pe examined t frequent terrals for the the time of appearant relative amounts and d ration of exerction of the kernoglobi and bile pigments. The rea to in no way influenced by the Eck fistula although the blood supply t the liver as ra duced t about 5 per cent of the normal. Practical ly the same results ere obtained in normal and Lek tatula dogs hen hematogenous jaundice was produced by chloroform nexthesia.

Simple obstruction t the common duct combined with an Eck fist la gives rise t a defailt low grade icterus with bile pigment constantly present i the urine. This observation does not harmoniae with the view that bile pigments are formed solely from harmoriobin as there is no evidence of more harmory ses in a normal than in Eck firtula dog. This suggests to the thors that the bile pigment may be formed in part | least from other substances than harmoglobin, and, lurther that bile pigment formation may depend in part upon the f nctional acti ity of the liver cell rather than upon the amount of a ranoglobi supplied t it

J F CRUSCOUL Whipple d Hosper A Rapid Change of Reme-globi t Bil Pigmen in the Circulation

Outside the Liver J Exp Mrd 3.278.6 2.
By Surg Gyert & Obst.

The object of this comm scatton is t submit evidence is show that harmoglobin can be transformed at bile pigment when the liver has been excluded from participation is the reaction. T show this the li er as excluded by means of an Eck fistula and lumition of both branches of the he pass artery. The semal as then injected with latest corposcles dra from it own circulation. from it own circulation. These minule died four t ux hours of bepatic magician

I another series of experiments, the liver severand satestines ere achided and in third senes, as restricted t the head and th circulate thorax The thors summarise the results as The rates enous injection of red cells obtained

iolowa

from the same nimal and laked by distilled ter is nimilar to ertain types of hymolysis bleh result hematogenous jauacice. This procedure cannot be enticized on the grounds of introducing toxic substances. The hemogicities circulating in the blood stream is rapidle changed, in part at feast t The change goes on with practicall bale regreent the same rapedity to the normal circulation, is a Eck fistula mmal, and dog with Eck installa and bepatis, artery ligation. Moreover the bile pig ment formation goes on in dog hose liver spleen nd intertiacs have been shut out of the circulation,

those ath head and thora carculation. I the last experiments there had been no operative nd the buc pigment could manipulation of the h not he ex ped from the h er and have been absorbed by the reulation above the disphragm for example b the thoraca duct It a possible that the endothedium of the blood erech is the agent high before about the raped change of hemoglobin

t bile pigment. This sorchanism probably comes rat play ben there has been destruction of many red cells uth much hierostobs free in the plasma. The conclusion is rea ked that in dogs, I least, harmoglobin can be rapadly changed int. bile pagment in the circulating blood | thout the participa J F Catacana. tion of the liver

Weber Intravensu I jection of Small Quantities of Human Blood for the Treatment of Severe Ansemia (Der late nobe figicitions kiener Mengra von Mondemblot bei der Behandlung schwirer Ankoden). Matche und [Pedanden 9 J lz. 307 By Zentralbi (d allgem Chir

During the last four years forty-si intravenous injections were given to eithitee patients it the medical claim at General 1 order to wold untoward symptoms, the blood was keep for swently four hours to the lee-box. The properties of the particular to the lee-box and was given repeated as an increase of temperature, and properties of the properties of

An extraordinary improvement of the general condition and the blood occurred t cases of permissions anemia, while third case of severe animals uly the general condition improved of the blood did not show y marked improveme t

Von Saar Employment of the Momburg T be in Cases of Hemorrhad (Cher Blatiers der unters koperhalf) Ergels d Chr s. Orthej

with 17

B Zestrafbi (d ees Char Gestageb

The 11tho analyzed 400 ages in which the Momburg t be as employed nd comes t the following conclusions () The mall testine sdapts itself very easily the colon however mal ye com pressed in is ascending and descending parts. harmorrhages nd outraction scars having been observed frequently tantops. I non-fital cases mucous durrhors and harmorrhage has been bserved commonly due t mechanical I Jury t the walls of the bo el. () I the unnary system compression of the preter is most imports it the kidneys usually lying boy the point of application of the tube. Transient retention of the urine occurs. permanent injury of the kidney does not result, although ne fatal case due t anura occurred following the application of the t be for 14 of an bour (t) The dvantage of the tube her in the compression I the sorts and yens cava anterio to the third lumbar ert bra (4) I jury to the suprarenals as observed noe to the human, but more frequently i animal, experiments. The fatal case due t anuria sho ed fresh areas of fat perrous in the pancreas Indirect injury t ther organs may occur such as udden death due to cardia dilatation acident t sodden changes of blood pressure. In cases of broken compensatio the danger is still greater. On account of the severe pain, anesthesia is eccusary. The indications for and against the procedure are given. The Momburg tube should not be employed in every case of hem orrhage but nly in selected cases nd for vital indications. Core

Foolo Arrest of Harmorthag and Treatment of Wound with Congulin Kocher Foolo (iber die see Blutsfilmsumethode und Wundbehasdlang durch das Kongulin Kocher Foolo) Cor El. f schreit Aras, 9, 2, 2df 352

By Zentralbi L.d. ges. Gynak. u. Geburtsh. d. Grenageb.

My theories explaining the origin of blood coardination are fully discussed. They II cotecided to the first of the control of

In conclusion Fonds discusses the f sets hing possibilities of the remedy II believes that connection with the usual methods f treatment it may be of decided advar tage I post part in hermor harm due t uterno atomy placents previa and is abortious by producing a rapid and lasting coaguities and the contract of the producing a back in manufactured by the contract of the producing and the state of the producing a first possible and the producing a first producing the prod

Schreiber The Checking of Internal Harmor hage by Means of Intravenous Injections of Grape Sugar (Oher Sillong morer Binduren outsident venous Traubensockerinjektionen) Therap d German 9 3 by 93 By Zuntralb I. d. gra. Chir Grenageb.

Schrifter by mean of intra enous infusions of bout two emm, of 3-rop per cent sol to of grasurgar as ble t check gastic hemorrhages as well as bemorrhage in typholo cases. If describes the method as being similar i effect to the action of Volde's intr versoon injectio of bypercode sait solution and sees in the grape sugar injection a definit dwantage on coment of its until time when the

YOU DEN VELDER.

Froelich Harmorring from the Arillary Artery
Three Months (tw Tra ma Ligation of th
Three Months in the man inclumed Frantysis
(Henorrys In the Months of Infinite trois nois
aprix as beasure, ignum to larger; from partysis
scheming de Voltentan in the Months of the Champie.

By Journal of Champie.

The author reports the case of a boy t years old who was injured in the azilla by a fragment f wood in A gust 9. There was severe harmorrhase

which ceased spontaneously. Several days later physician was consulted regarding an abacess which had developed i the axilla and opened spontaneously discharge g a piece of wood. A fistula persisted and from time t time there ere alight hemorrhages preceded by severe attacks of pain. After enterly the hospital the firtule was irrigated regularly and an X ray picture was made which showed no changes about the aboulder

November th, there was more severe hemor rhage than usual preceded by very severe pale, and on the 4th another copious hemorrhage. The child was chloroformed, the axilla opened and supported ing pocket found which there was piece of wood 3 by cm. Blood was coming in spurts from the amiliary recry but the hemorrhage was storped by pressure on the subchavia pressure on the subclavia. On the 5th the pres-sure was removed and the harmorrhage did not recur until the 9th, when it was very severe The axillary artery was highted below the small pectoral muscle under the clavicle

Serum was injected as the child was expanguinted, the pulse gone and the arm cold. This coldness persisted for three days after which its temperature became normal. The arm was punful to ten days and paralysis of the desor and tensor muscles followed. The flevors rapidly regarded their function but the paralysis of the extensors remained.

This made it ppear to be Vollman sickemic paralysis follos gligation of the anillary riery \s a matter of fact there we only rachal paraly as and the contra ture was due t lack of ction the antago alatic muscles. The f ct that the thumb and fingers could be p t pensy ly in hyperestensio proves it as this is impossible in inchemic paralysis. From the electrical examination it seems that the radial paralma will be ared I DENONE

Bauta. Tra mati Venous Thrombosis in th Upper Extremity (Dec transa miche Venenthromhose der oberen Latrem (at.) Denische med Wicks-By Zentralia (d. ses Char 1 Commands

Traumatic venous thrombous occurs more com monly the arm much rarer in the lower extremity The general practitioner sees these cases oftener than the surgeon. The charcal pacture is not generally known, and is frequently taken for muscle injury nsuscle inflammation or neuritis. The condition occurs commonly after an indirect injury t the ayra, even bough mechanical chemical or nfections injury to the wall of the weln did not take place. The oract is more or less sudden with closure of one of the large veins. The traums may be very alight frequently not greater than ordinary muscular

There have been only seven cases of transmatte venous thrombous of the upper arm published. After severe muscular actio the signs of venous stants appear. A compensatory circulation in time develops, due either t bearption of part of the thrombers or to the establishment of a collateral

The return of function of the arm depends more or less on the re-establishment of the circulation. Ethologically the condition is due t accumulation I blood platelets and thrombus for mation as a result of injury t the vein and inter-ference with the blood-stream. Even in the axillary vela it seems possible that thrombosis formations can occur as a result of severe muscular strain.

In regard t Hi the prognouls is i worable, espe cially if the thrombus is not disturbed. Embolism has never been observed. The prognosis i so is as restitutio ad integrum is concerned as decidedly had, as the collateral circulation is usually insufficient. Venous stame occurs, which is easily aggravated, and which interferes with the working capacity of the greater or less degree

M for The Wassermann Reaction in the J has Hopkins Hospital. Bull Johns II film Harp o r xxi 7.5 B Surg Owner & Obst.

The Wassermann reaction, as Major states, has been extensively employed in the Johns Hopkins Hospital in the past four years and their experience with it confirms the result f bost of workers as to to reliability and specificity as a dismostic procedure. The first report upon its use in that clinic as made in o o and the present report includes the cases from September er o t All t Agrest, le all, which the reaction patients ere emmand the great majority of hors were medical cases. This umber includes great variety of diseases ranging from outspoken cases of syphilis t neurasthenic patients, in whom the reaction as made for the purpose of excluding liter. The series melades also a great variety of impational and organic nervous and cardiac diseases, nephritis. diabetes, poeumonia, typhoid i er gustro-latestinal diseases, and faulty large umber of cases of brain tomer

Of these 200 cases, 30, or 20 per cent gave posi-tive reactions, while of or 80 per cent, were negative. Of the cases giving positive reactions, 55, or as per cent (nearly 56) gave no history of premary sort. The percentage of negroes in the above figures is of some interest. The Wassermann rection was perf rmed upon 185 negro patients, the great majority being cardiac or cardio-renal cases, but including also other more uncommon discuses. Of this number 6 or approximately 34 per cent, gave positiv reactions, while 34 or 60 per cent, were pepative. When this number is compared with the reactions on what patients, it is seen that as per cent of pegroes compared ath 7 per cent of whites, give poutlive reaction. This indicates a frequency f positive reactions in negroes twice that of the whites. These squres do not perhaps give sufficient indication of the greater frequency among negroes, since the total umber of reactions per formed the sers of colored patients is considerably less than that on whites.

The Wasserman reaction in forty-two cases of

north insufficiency showed twenty-one, or so per

cent, positive reactions. Of the twenty-one negati e cases, all but six gave a history i rhenmatic fever four of the six showed ma ked recrosclerosis. and ne patient died f an acute rile endocarditis.

The reaction was polied in t enty-t ancursm, mostly of the aortic arch. T Tuenty one, or 95 per cent, gave positive reactions. The patient who gave egative reactio was a negro who had a definit history of syphilis seven years before. His scrum was tested ne month later eiter antiluctic

treatment a th the same result

In 7 cases of tabes the Wassermann reaction showed leven, or 64 per cent positive. Three of these patients gave negative serum reaction, while the cerebro sp nal fluid was positive and three of the patients having positive serum reactions showed negative reactions in the cerebro spinal field. Eight of the patients directed luctic infection nine gave no history

Thirteen cases of general parens were tested. o per cent fithis umber were positive. Twelve The cerebro-spanal fluxd was positive in every case examined (seven) while the blood was negative in seven cases. Nine f the 3 gave a fuetic history

The Wassermann reactio was d ne with the sorum of 50 cases i 'arrous types of brain tumors, incl ding gliomata, hypophysical tumors and cysts, corebellar tumors and crats, and tumors of the spanal cord all were pegative result I sev of these the test was negative too the the cerebro-

granal fluid The author summarizes his study as follows The past yea experience with the Wassermann reaction in this clinic confirms our faith the rehability and specificity of this reaction. The nly other diseases in hich positive reactions have been reported (trypanosomasis, yaws, scarlet fever leprosy and possibly malaris) are either so easily diagnosed or so uncommo here as to cause no confusion Wamermann states that he and his assist ants have performed over ,000 examinations and never yet made false diagnoses. While the num ber i patients in our senes is much smaller we feel that we have not made a false diagnosis the next year when the diagnosis of syphibs was placed after the names f 30 patients who showed positive GRORO E BETLEY

RLOOD AND LYMPH VESSELS

O'Day Arterior:haphy Veribues Med 93

Wassermann reaction

By Surg. Gymec & Otset. There are to important principles t be observed in order to suture blood vessels uccessfully first, perfect position of serom t serom, and second, that no trauma be inflicted upon that part of the vessel surface which is t come int contact with the blood stream. The methods of P yr Carrel ad Murphy do not neglect these principles, yet the author feels that since the occasion f vessel suture i the hands of the everyday surgeon comes mly in emergency cases and since h may not be able to

successfully master the technique evolved by these men, he may follow a simpler procedure, as the thor has done in one case with success. In reuniting severed arteries, ne very great difficulty is t overcome the retraction of the stumps.

The technique used with success by the author in ble one case and subsequently bettered by animal

experimentation is as follows Free the at mps and wash way all debris with normal salt solution. Apply rubber-covered Crile clamps t either stump and if filling and pulsatio occu fast back of proximal clamp the operation may be begun. Never allow the field to become dry but keep well monstened with normal salt The suture material may be either chromicized so-day catgut or preferably Pagenstecher linen, the size ranging from No co to N 1 depending upon the vessel.

Four even lengths of auture are cut and with the amistant bolding one, one of the others is tied to it in the exact middl and the other two at distances representing one (ourth the westel circumference, The amistant now passes his suture to which the three are tied around the proximal stump t suffiescat distance from its end t insure the turning back of cull adequate t good scrous apposition, and makes it secure lightly constricting the vessel

The cuff is now turned back and fixed by fan shaped sutures made with needle on the free ends of each of the above placed sutures stump is then made to recen the cuff after the method of P yr and a running stitch engaging a good bits is then carmed around sowing the dustal stump well t the margin of the cuff li the venel be large, circular tie may add an extra reinforce ment otherwise this completes the work

The distal clamp is removed first and then the proximal clamp is gradually released. The sheath is sutured over the reunited vessel. The ligature will not cut int the intima aless too great emistric tion has been imposed. Exudat soo covers all th cutures. Diam B Rose

Swetchnikell Th Action f Adrenalia upon the Peripheral Vessels (Über die Adrenahn-wirkung auf periphere Gelime) Deserteine St. Petersh., By Zentralbi, L. d gas. Chir u. Grenneb.

The author studied the action of drenalin upon peripheral vessels according to the newer method f measuring vasomotor influences devised by Kraw koff and Pasemaki, nd comes to the following conclusions () gradual variations of blood pressure do not infl ence the ction f adrenalin materiallywith very weak adrenalin sol tions and very high vascular pressure, dilatatio is observed with sudden increase of pressure a dilation of the venuels is observed regularly which occurs also following an infusion of Locke' sol than even pon additio of adrenalin, the action being all the more pronounced when the actio of adrenalin is weakent. Rhythmic variations of vascular chistion are observed du to variations of variations (3) The fresher and those of admail 1 the more prosumered III is action to admail 2 the more prosumered III is action be even in metes are impactant 1 this respect in our mousi infection of dealing-adution, producing our interest of the wife of the interest producing our interest of the interest of the interest and the interest of the interest of the interest of the again occurs (1) Room temperat is all the ken the adressing not been 1 Lock as sol thon

Long at uding solutions may act as dilutors t the such. Overgen has no influence. At hold temper t rethe associated for two of tab sol ton is materiall de reased. I temperature of 60 60 degrees C for half bour hanges the ction of the sodulat g actio (4) The slight decomposition hash occurs with adultions is d t the Ikal bit of the Locke what in I peut al phy sologie, salt solutions dreamly is stable for consider ble time I'h) sedone ih sol tuo sell act seconstructor (c) Bl. I screen additional pla ma also per los gradual but prolonged vaso andretted the ten I the wrum is a more ma ked that that of the plasma. A bit tion of serum t selected solution of an iccomposition of the sol on (6) Addition of an II mount of formalded to det set the surper net a tain of the it nate soil son Last as blass bloco form her delict the et also what in also de re-u the fit of he latt premubl (4) from the and more provided parall med be come on hick not firsted by the Abricon of denal The act in of afrenal therefore seems t be critel upon the impathet across () B here is gifte temper in Citic adrenals solution t action is graduall limit to br (t nu

A terrel 1 of the soldat re on an ol hath he unrementable three or to the decomposition of the chiral to yet at the hor of the read to help as the terrel terrel to be not at the help at the terrel to be not at the help at

Jacob I r dermal Lymphatic Varices in the (g loa-currel Region Varices (supful particularities) and a report improvementarial Bod of some See de las de Par ... j. 33 %, cot. Il Journal de University

The hot prevent so of artees of the hypoth hands and glands or the k Doe ma hypoth hands and glands or not affected and so the condition of not not less officially all solutions and another of an enterior of an enter

bon that each is a dialetel end of Jymph capillary. It thought that as the patient hard bear to New Calcionia and the disease had tarted it his etern t I rance it might be due t filar! but noncould be demonstrated. There is no history of demanties engages lymph-amptis or admits of the gruino-repul region.

larray reports case! which a unitar condution was persent in the cutateous pumphatics of the right arm of one affering from you full youth mits of the mill. In this sea persistant fortal benefit from one of the varies and large most of lympole from one of the varies and large most of lympole exapped. A appearst cure liter loss year, appears to produced by complete cases followed by 7, as treatment. If the wood followed by 7, as treatment.

Sym Lymphanglopia ty II ndley Method.
4 New York Like, 783
By Surg G nec, & O'st.

ms art le con sted in review lebeliterature rela t operation alled hymphanglopla t by If notice the report of it were in a cases of his Handley operation as original intended t elies the brawns rm of breast caperr and semila printed of I replace orderna. The pethod small professing new jumph the selection on site of the ret by the character self, thread each tascouly. The this use of the rim red order to keep the hard there of all the thine composed of the through the library of the library that the composed of the self. small as no on terror surface of the west by m (long probe with eve at its end for breating all. Frole is passed along the tina ad radial as les of the res emerging at the pusterior border of he deltout in sale. The same procedure med out on the ne tenor surface of the arm. I num the opening it the posterior border of the defined he it break re-passed t the mapular region of the opposit side and others t the lumbar region of the me sale. The stall improves are

cloud th herse has not res The ther found t ut) cases of brawns arm counted. Of these tame were reported. successful nine as failures, nd t results re-not reported. The thor we as fail re-su far as result ere on med I seventers ses where I mphaneoplast tried for elephantiasis there ere se enteen failures. I chrome orderna of legathe cases were temptioned and one cured I there cases of bronse ordense of face and ey licks care as reported I three According t 5) ms the use of this method of drawing sacrets lescribed by Lambott in 905 It has been used tope or combined with the Thahir or Reet 3 operations the anable success. The uthor's case of scates fue t europous of a er ! heh he del omentopexy plus lymphangioplasty he seused sustind improvement for those but patient died in oilapse after fifteen days. It is the thor's behel that the operation ments more stemure trial, as some cases show adoubted results.

B R N / T

Billin Kalossonsky Drainag by Menns I Thread According t Handley in Care of Elephantiasis (En Fall von Fachodrussen and Handley be Elephantsen) I reknell d us for d Arise d astir Obselvo-Krish St Petersh o p zrit B Zentralk i d ger Car u. Grangel

The utber report case operated according it the Handley method. The patient before operation suffered from frequently recurring observations and pains it be themsend leg. If as blet it the limb only with the said of this handle. Since the operation be has been on 1) is ill it is not that their inference i the lower third of the leg has decreased the me and the patient is het. Ill it is should difficult. The mushroom his growth has control disappered.

POISONS

Davis I errelations in the Streptococcu Group.

J. Infect. Dt. 9 3, 121, 386
B. Surg. Grace & Obsi.

The harmolitic growth on blood for capsule formation, solibilit in bile stay rea town pathorner properties in animals and suphilarith reactions are considered in decreasing the relationship entiting bettern among members I the or opportunities of the properties industrial that a gradual transition occurs from one member of the group in abolitic suphilarity from the member of the group in abolitic suphilarity from the member of the group in abolitic suphilarity from the member of the group in abolitic suphilarity in a suphilarity from the group in about 10 mg. Experiment are died pointing default by it, transformation I one member into another. Thus phenomenous andoobt odly takes place the certal limits of pipears to be not senommon.

SURGICAL THERAPEUTICS

Wolf The Action of Collamiol Enem in the Reptile Processes Uper der Vorkamber on Kollangelli imen bei neptischen Processen) Deglude wei II dasche § 3 NUNX 044 B Zentralbi f d ges Chor n. I Grougeb

is the intra-enous injection of offergol is companied th considerabl difficulty the thor in ected 6 per cent sol to (50 cc) per rectum The first patient for hom he used t as soldier ith definit sepsis. Intravenous infusions of salt solution, 4 L. daily three times with gen antipyri dded dud not affect the cond tion at all neither did the subcutaneous pection of indips in 5 per cent solution. Later 5 cc of per cent solution given intravenously coording t Kausch iso proved in-effectual and esuited in thromboss of the basilic vein. Thereupon so cc. al 6 per cent solutio of collargol was given per rectum every fifth day and the desired effect was bisined Temperature dropped until complet recovery resulted A total of eight such injections were given These injections caused buolutely no mucous membrane irritation or other unplement symptoms. WEIGHTER.

Mokraecki The Treatment of Anthra with Sal varian (Zur Salvarian) chandling des Milabrand) Muschen and Helmodr 9 3 K. 059.

By Zentraha I. d. fee, Cale or I. Gernageh.
The patient had severe malignant postule on the neck with default coeasit thous symptoms. The author as tertaed the pustule and then administered form asiaram i travenously. The local and general symptoms received rapidly the temperature becoming normal with twenty four hours. He tributes the treat obtained to the and strain infusion. Hi can a limited to the sale strain infusion.

ELECTROLOGY

Snow Dosag Measurement and Control of the X-Ray and Other Agent in Therapoutics.

Internal J Surg. 9.3, rxi. 99

By Surg. Gyner, & Olse.

I considering dosage a pplied to \ rays it must be limited that none of the l ctors in olved ca be const t the vacuum of the t be the 1 tenuty of the ra or the resultance of the receiver the patient. M ny mechanical devices have been in ented t test the penetrating powers of the ra but as grarral rule the salest method t follow is t depend upon the results obtained to govern the subsequent dosage \s rule the current should be passed through milliamperemeter on its way t the t be. A current f one milliampere may be allowed t flow through t be at a distance of t as inches from the surface t be irradiated for a period of ten me utes ith safety. This treatment may be represed on alternate days. When the ndition is mahina t ne longer exposure may be dynable \(\) accessary treatment can be seured from the use I the high-frequency current This current has been shown experimentally t inhibit the action of the \ rays upon the skin and t prevent dermatta. The use of the two rays together is especially adjusted the treatment of ma y of the conditions due t the pyogenic organ-I IL SEILE

Dersoner Physical and Technical Principles of Deeply Pentrutting X Ray Treatment (Phys-Balacks and technisch Granilares for Telenbestrahlung) Desirals Gentlick f Gysak Halle, 9 3 2 Mz.

By Zentralbi I d are Gynal, o Geburtah. d. Grenzgeb

The utbor by series of experiment demostrated that the formation of the so-called hard or penetrating rays is dependent not also not het be but also upon the manner in which it is operated. The central held in a t-b will use p that tube qually but the umber of ha drays produced sail vary under different conditions. It is oft and intage t increase the current through tube beyond normal values the important pot it is to operat the the in such manner that the largest number of hard rays result. This can be complished in the following manner: (1) By using not too high vessel walls of the uterus during pregnancy This sign of pregnancy which appears first during the first month is of great importance as it disappears last following abortions. Dacks and Doussy stat that there exist in the uterine vessel walls syncytial cells rich in chromatin, more or less regularly arranged which differ from the decidual cells.

I two cases I tubal pregnancy which had been resorbed several months previously the author f und such elements in the wall of the tube. This contradicts Mever's statement that normal exochor. ial I volution occurs two weeks after the expulsion of the fortus. The climcal importance of these cells is that they serve t differentiate between the endometritis following abortions and other forms. In the treatment of that following bortions I which syncytual cells were found by curettage &c.3 per cent were soccessful. 5 per ce 1 better and 4 per cent unsuccensial I the other endometritis cases treated by curettage there wer a per cent as cessful, 43.7 per cent improved and 24 9 per cent successful. The uthor thinks that all the simple endometrius cases following interruption of pregnancy are curable by curettage

These syncytual cells do not stem t have any con pection with the noural ment of the fortes nor with attituation of maternal wast products. It seems that these aberrant cells have lost their sormal function and are in fact benign neoplesms. hi is the organism is able t combat successfully Ducls believes that microscopical examination of the

alls of the t be or terms would serve t substantial diagrams of nevenancy by Abderhalden s erom test 1 DOMOTE

nm Results of X Ray and Mesothorium Treatment of Uterine Carcinosus (Osc. de Bamo Erfolge der Rontgen- und Mesothorfumbehandlung best Uterum arcinom) Deutsche General. J Great. By Surg Gymes, & Otac, Halle, o s. May

Skin epithelions have long been cured by radium. The use of hard filtered rays and large quantities of radio-active substances makes the deep seated and more rapidly growing tumors subject t treatment, Ambork and 5,000 milligram bours and even more have been given. He reports

Squamous cell carcinoma of the portio .917 x. foul infiltrating tumor \$ 200

Cervix cance

and ,000 milligram bours mesothorum. Only scar tustue left the curette brought nothing away 3. Carcinoma of the vagina with involvement of the rectum 3,500 and 8,700 milligram hours mesothorium scar tissue where carcinoma was no secretion or bemorrhage. 4. Carcinoma of vagina 3,400 x and 4,500 mg.

bours, chincelly cured Carrinoma of the cervix 0,000 x and 5, 20

mg hours. Callous scar with no secretion. 6. Carcinoma of the cervir 900 and 10,400 mg. hours curette sho ed nothing

7 Stinking carcinoma colli 9,350 mg hours ectropion covered with epithellum operated upon. & Large crater-lik carcinoma colli | 21 days 13.320 mg, hours erater closed operated

o Large squamous-cell carcinoma favolving urethra and neck of bladder, ,000 complet cure o Adenocarcinoms of the methra doo x and 4,600 mg hours, reduced (a small nicer in the urethra atill under treatment

s Recurrence after total extirpation large ulcer with infiltratio exposure sided by neisson, 1.500 and 4.100 mg, hours complete overgrowth f skin formation of a scar cavity

Recurrence after total extirpation and secondary recurrence operatio large foul tumor filling the vagnus 8 and 5,350 mg hours. Scar the various

tissue, curett abows no cancer

All parts of the cancer that can be reached are destroyed and the part is cleafew cola. with or libout extensive scar tissue. Cases 7 pd 8 showed cancer still present but they had been days respectively. To vold treated only o and ulceration, very hard rays must be used. Busin used lead faters. If found two cases laich err cured of their cancer but died. I necross and unnary Infections. J was R Minuse.

ariels Rontgeo-Ray and Mesethorium Treatment of Myons and Carolneons of the Dodartela Utarus (Rougen-Merothormusbehandlung bei Myon und Caranton des Lieres) Deutsch- Gertlate Glada Helle, q & May By Surg Gyace & Obst.

The unbor ascribes t. Kronig and his school the credit for the area: dvance in the radictherary of cancer as well as of myonia. Dodorlein has been orking long samula lines and eports exceedingly good cerute from the use I mesotherium in cencer The cancer of old peopl is easiest t influence very carly stage as treated One operable case I ith complete cure beart lepon made operation very usual Dederter presents beautiful microaconical preparations, which prove that his optimize has firm foundation. The cancer cells are show to disintegrat at different stages in the treatment, whereas the normal cervical mucosa remains in apparently perfect condition. A selective actso of the highly filtered rays for the cancer cells is therefor proven I R MILLER

Effetner A Peculiarly Shaped Myomatous Uturus (Ein myomataiser Uterus espantumischer Kan-figuration) Dantein Gradien f Grade Halle, 19 5. Mey

By Zentralbi L.d. ros. Gynak Gaburtak d. Grenspile. The uterus had acquired the sare of a dult a head, the hole corpus bring event transformed int myomatous mass of tissue. The nly portion still normal was the outermost layer directly below the peritonoum. This was bout 14 cm. thick and the mass commeted of great number of myomatom modules. This is the first case of this sort observed spet of the fact that he has seen by Kustner

may hundreds of myomats. The fittle mucous that was present thowed sommal structure. The prendages also were normal except for the peculia smoothness. The surf or (1 the overly their being so Craffia (follicles of rey few corpora albleantia. The hummer was heart and pennish ke protuberance prolege defensive heart to like the present that the follic on account of hemorrhape from the present that the result (1 traums.)

Freund Partial Myoma Operations (Uber partielle Myomoperationen) Denie in Gesellick f Gynth Halle 9 3, Ma B Zentarb I (d. ges. C. m.), Gebortah. d Grenngeb

I women premarbl g the m normuse I in fregurally possible 1 ret is menutratallo by perform the properties of the properties of the properties of the indirect. This is not a tree very large therapy. The whole reports need to the properties of the properties. The bladder is stapped off the stream the curved incidence stream of the indirect the posterior metrics wall, passes the 1 hal nearthern it he middle of the netrol wall, corresponding nations the existence of the properties of the properties of the stream of the properties of the properties of the momentum transfer of the properties of the prophet of the momentum transfer of the prophet o

m coss can be removed.

I pure fundus t more the thor excises the entire i adm by means of circula acisson. Menstruatio was retained in all cases in the beame nor
mul. I smaller tumors both operations can be per-

formed vaginally

Whit house Pathology and Treatment of Uterine Hemocringe Practitions Lond 9 5, 20, 91 By Surg Gynec & Obst

Hemorrhage due t_pregnancy and borto or t broplasms is not here considered the thor confi ing his view t_conditions here the diagnosis may be less typically set forth His conclusions are

treatment of uterfue hermorrhage ca be rational unless the cause is established the empirical administratio of hermostatic drups is frequently uncless and indiscriminat curetting is dangerous

The menorrhagia that occurs young girls at the god poberty is probably duet the association of functionally mature ovaries with deficient uterina musculature. It tends t spontaneous cure and abould be treated by rest ad, if possible remoral t higher allit de

 Harmotriage i young omen may be due t mucous polypus, adenomatous teri, or bacterial

infections of the terms.

4 A practical method I investigating the bacteriology of the terms is by the collection of the measural blood

5. Hermorrhages the menopause a frequently the cult of increased arterial tension, portal betweeton or dependention and fibroals of the tension ascendary to arterioscherois. It is probable that some cases of fibroals teri are yphilitie! origin. Treatment must be treduce vascular tension. Ergot urnally fails and t may be necessary t remove the uterus.

6 Faults in the calcium metabolism may be the cause of obscure uterine bleeding, which may be cured by discovery of the cause and the administration of calcium saits. Occasionally the combination f thyrold tissne with calcium is beneficial.

7 I every case of terino hemorrhage, it i essential t look for a general cause before the local pel ne condition is i vestigated.

CARRY CULDERTROY

Sehrt The Thyreogenous Etiology of Hornor hagic M tropathies (Zur (hyrrogenen Atiologie der kinorrherischen Metropathien) Musicken med IF kancke 9 5 ft, 60

By Zentralbi. (d ges Gyplik u. Gebertsh. d. Grenngeb.

Sehri forest[taied twenty case of neomplicated metropathes, folding half pride lymphocytosia (1967) and relative neutrophil leccopenia (147-687), in thirteen. One case which had no lymphocytosis, presented 1° connephilic Congulation of the blood as locerased in 9 cases (8-4 min ten aguinst 9 minutes normally). Trom the analogoms blood pattern by the present of the present of the present of the present of the third present of the present of the present of the third present of the minute cases of myandena. On crount of the parallelism of the ymptoms of tetany of pregnancy of echangula and became of the shence of elements.

defialt anatomical basis by which these two defialt anatomical basis by which there there conditions can be differentiated desay the orther dvises noting the blood pictuit of echampaia. The histological indings if Holmester who bearered liddeey cha ges after thyroidectomy the combination (myrocdems and eclampais (Hierrpoit Fruhinsbolt, jeandetuse) the increased coagulability of the blood in eclampais (Jarrew) lead to the up-picon that a relation crists between hypothyroids am of eclampais. This view is supported by an observation of the authors. The patient was a woman who had had a difficult labor with severe hemorrhages three years previously and who presented the blood picture of hypothyroidism. The blood cocurred spontaneously but four-day eclamps developed.

Bell The Pathology of Uterine Casts Passed Duing Menetruation, Surg Grace, & Obst., 9 3, x1, 65 By Sorg Gynec, & Obst.

This paper is based on some original pathological investigations of terine casts passed during mensionation. The uthor states that ther are two distinct kinds of uterine casts. () True blood casts

frequency (i enty i i enty five cycles per sec noise as then the sountation of the 1 be doen not not bet extended in a sountation of the 1 be doen not not bet exceeding in a sountation of the current densit in the t be did ring each cycle is comparatively large it recommended, therefor is start. It is clearly light permany voil get in all the current density orrespond give high (i) il has determined by means (spectrum only a that the gr it will be a fine of the comparation of the com

Bucky A Gratl & Disphram t Cut off Second ary Ray from the Object 1 & Rest Ra

T clumnat the so all dobject secondary rabiels re-really so relatives relate the thetical re-really so relatives relate the thetical re-really so relatives to the object and project mg in all directions to be the object shadow to the terminant one larges meet like

graid gis plas thet een the object fold in plast. This graining is composed of universes is polimetal it four entimetries of avaraged ross show one edge. The er togs show has the dre. In section, the entire the entire that it is seed, a known and the entire the entire that the entire t

Werner The Radio-Therapy of Tumors Inc Radioth upo der Gesch ul.) Anakhuker per Deri

B Zentrabii(diges Chur terrugah

Wether report he aperatives they co-patient with thems how he re I during 3 nr and hall. All det tiled onasiler to of the emitting of the hint no of he 3 there pro he to-curses he induced method of treatment the random mesonbeatm in do burn in the result of which are their good indirectly experienced to be used to be a superficient and the superficient and the superficient superficient and the superficient superficien

The ombined ado-therapy obsists of the diffuse rel 1 konnog neon concentre. In addition, his about a concentre. In a radiation, his about a concentre. In a radiation his control and internal radiation in radio-set, sub-

tances by application. Fradiating bothes and pastes.

If the persons if allows toy most-one and sol them is the choice and sol them is the contract and the contract positions are personally of thortom. V and of untravenous and intrajeted. I bections of both sait solutions. Timy

MILITARY AND NAVAL SURGERY

Lotach G nebot I Juries of Blood Veneta 15ckns ericizungen der Hutgelässe) Deutschrich Konz

its Zentralid f il es. Chir L Grennerb.

The other speak of his personal experiences stained in the lialkan — od comest the folloobtained n the lialian log nelu ins The modern put ted bullet fre-quenti use blood risel juries. Excepting th screece i tal harmorrhages from large vessels, there to claim I few primary hamorrhages that need immediat operatif terference because the tra and exit ounds of the modern bullet reers small. All types i blood vessel jury are seen from crossons to be perfirations and complet to ng d vessels. The artery and in are vers frequently injured together Catally quiet harmat ima develops, which in few day begins t pulsat and becomes pursues ancuram. All the englishment of targe couls liborit LEFLIN large harmatisms may devilor mural thromble in the creeks nel should be reated to prevent embobson they athlique harmatomias at cit mobilized in the transport I t the held investral not good to part to. The dangerous harnor hages be observed the little ound plays. that the tening supriore danger of presence eamers no ad supportation hould no mary lightion be done With proper faulton and I necessary compar seen must pumber injurie of blood re-cla

comper wom mank guestes inject to no notice twenty. It beat thought opera as I noter the principle under not I could be a not to the country of the country

ref. It will be the control to the c

field hospitals.

GYNECOLOGY

UTERUS

neo A Larga Coprollth Enclosing th Uterus and Sim lating Malignant Tumor (D'un voluminoso cakolo fecale inglobant Putero amuinto propietts) Gent d etp d des Milene.

0 3 real 536 By Zeatrallid f. d gen Gynak u Geburtah d Grenngeh The patient was woman 3 years I ge suffering

from dyspensis for the past three years, increasing anemia, loss of eight (so kg) Lately she had burning and pressure over the ol th tenesmus and frequent but small howel movements concerting of bloody fluid Numerous diagnoses were mad endometrith, oversen cyst, inoperable caronoma of the rectum, etc. The patient was almost cachetic the small pelves was filled with a hard t mor nearly the size of child a head. Uterus was polpable only d posteriorly t was co anteriorly t to adea timed into the tumor The mass could be palpated from below through the rectum with pressure exerted from above. It was a th difficulty emoved. The man eighed 550 grs. nd consisted of loul-smelling extremely hard feces. The rectum was tamponed on account of hemorrhage. The next day the terus was easily pulpated, and arppuret of the posterior wall of the vagina occurred. The patient gained in weight rapidly and complet nec vary mased

The author imphasizes the importance I examin ing the rectum in all cases of pelvic disease. If also recommends the prophylams of bronk but putto a frequent accompaniment, and occasionally th ethalogic i ctor of polyte discuse Cacovan

Wilson Charlo-Epitheliaens Following Hydro tidiform Mol and Giving Rice t Intraperitoneal Herntocrings from a Extension in the Right Meso-selpins. From Rey See Med 0 3. | Obst & Gynex Sect 23 B Surg Gyrane & Obst

Wilson case is that of woman to years ld, married 3 years and the mother of one child worths old. She suffered from mammary because nd cystitis for three months following her delivery The menetrual periods had been regular until 3 months before examination, when she becam, nier nent and went on normally for months At that time she was seized th bleeding which has contimed up t the time of the examination. She has had som vomiting and cramplike belominal pains. The uterms on examination was line and fairly fina. On curettage hydatid mole the use of the closed fast as found. The patient recovered nicely At the end of four ceks she complained of an irritable bladder some par and beaviress in the pelvis along ith little blood stained daily vaginal

abdominal secti n discharge. Four weeks later free red blood was found in the peritogeal cavity with a large dark clot behind the uterus. The terus and both ppendages were removed and the pa tient was discharged convalencent three weeks later

In the right fundus of the uterus there was rounded projection, encapsulated, dark red in color. friabl and presenting the typical appearance of chorto-epithelloms. This growth projected as a small, polypoid, scrille mass int the cavum uteri elsewhere the endometrium was normal in press ance. The tubes and ovaries were healthy but on the posterior surf ce of the left meso-sulping small eroded nodule was discovered from which the free blood in the peritoneal cavity was coming. This also was of the same character as the fundal tumor and as no evadence of a continuity of growth could be demonstrated it was doubtless of emboli, origin. C. D HOLNER

Adenomyceltie of the Uterus and of Respini the Rectum (Sull'adenomyouths dell'atero del rett) Gierraleges, 0 3, lx, 177

By Zramalbi L d. pro Gynak u. Gebertah a. d. Grennerb

After general resume of the present status of denomyosus the following clinical hist ry is detailed A female patient 36 years old, had had abortion (Dowed by severe pales in the lower abdomen, but was otherwise generally healthy. Between the terms and rect m an immovable tumor was palpated, but the adpera and rectum were normal. This led t the diagnosis of malignant tumor in the recto-vaginal space. The uterus was extirpated with the tumor. Analysis showed that there were numerous hollow spaces lined by cylindri cal epsthehum. As far as the etiology is concerned utbor assumes that the hole process was probably the result of an inflammatory activity and untation The possibility of its origin from Muller's ducts cannot be demed. The author believes that esses are not infrequent, which if microscopical evaluations of inflammatory processes of the pelvic perstoneum were made would reveal more frequently the picture of adenomyositis. The most certain treatment is operative removal

is Contribution t th Study of Benish Chorio-Epitheliomas of the Will of the Davis Uterus and Tubes (Contribution & I tade de chorio-sphibelloma bénigne dans la parol de l'atterna et ches trompes) Bull, de l'Acad rer d mid. d Beig 0 S. XXVII. 75 By Journal de Chirurgie.

ther at tes that Schikele of Strasbourg has shown that there is hyall legeneration in th vessel wills of the uterus during pregnancy. This sign of pregnancy which appears first during the first month is of great importance as it disappears last following abortions. Dada and Domay stat that there exist in the uterine vessel walls syncytial cells rich in chromatin, more or less regularly ar

ranged which differ from the decidual cells. I two cases of t bal pregnancy which had been resorbed several months previously the author found such elements in the wall of the tube. This contradicts Meyer's at tement that normal exorbor fall i volution occurs two weeks after the expulsion of the fortus. The clizical importance of these cells in that they serve to differentiate between the endornetritus following bortsons ad other forms. I the treatment of that following abortions in which syncytial cells were found by curettage, 83 3 per cent were successful, 5 per cent better and 4 per cent unsucremful I the other endometritis cases t eated by curettage there were 3 per cent suc resulut, 44.7 per cent improved and 24.0 per cent un-successful. The withor thinks that all the simple endametritle cases following interruption of prog pancy are curable by curettage

These yracytial cells died seem I have any concerns with the noortalment of the fortun now with utilization of maternal water product. It seems that these absents cells have lost their normal function and tree fact beingt acoptains. Met the opportunity is able to combat successfully. Dues believes that microscopical examination of the with of the the or utters would serve to substantial disposes of prepancy by Abderhalders acrount test.

Summ Results of X-Ray and Mesethori m Treatment of Uterine Carrinosma (Ubac do Erfolge der Routges and Mesotheundebanding bein Uterascranoom) Destehs Gardins J Greek Halle 9 3, May By Sang Gyock & Chat

Skin epithelooma have long been cured by radium. The use I hard filtered rays and large quantities of radio-active substances makes the deep seated and more rapidly growing tumors subject it reasons, onco. Kenthock and 5,000 milligram bows and even more have been given. He reports

Squamous cell carrinoma f the portio .p.

Cervix cancer foul infiltrating tumor 8,200 and 1,000 milligram hours metochorium. Only see tissue left the curett brought nothing way 3 Carcinoma of the vagnas with involvement of the return 5,500 and 8,700 milligram hours merothorium sear tissues where curcinoma was no

excretion of hemorrhage.

4 Carcinoms of vagins 3,400 and 14,800 mg

hours, elinically cured
5. Carcinoms of the cervix one x and 5, so
mg, hours. Callous sear with no secretion
6. Carcinoms of the cervix , one and o, too mg,
hours cureft showed nothing.

7 Stinking cardinoma colli 9,350 mg, hours extropio covered with epitheli m operated apon. 8. Large crater-like cardinoma colli i 21 days 13,350 mg, hours crater chosed operated.

9. Large squamous-cell carelmona involving within and neck of bladder; 1,000 complete cure. o. Adenocarelmona of the methra 800 and 4 600 mg. kours, reduced to small ulcer in the uterian still under treatment.

Recurrence after total extirpation large ulcer with infiltratio exposure aided by incison 5,500 and 14,500 mg, hours complet overgro the

of aki, formation of goar cavity.

Recurrence after total evil pation and second
any recurrence operation large fool tussor filling
the wagins 8 and 3,350 mg, hours. Sear
thasse, curret; shows no cancer.

All part of the water that can be reached are destroyed and the part is clean in a few webs, with or without extendive mar thank Cases 7 and 8 showed cancer still present but they had been treated only 9 and 1 day respectively. T will discretized, wey, bard gray must be used. Buston discretized, wey, bard gray must be used. Buston curred of their cancer b 1 dired of necrois and urinary. Infections

Dodrriel Routgen Ray and Mesotheri mar Trastment of Myopha and Carrisonas of the Userus (Routgen Mesothornamichasalism bel Myon and Carroson des Uterus) Destats Copilial J 6 att Halte 19, 3, 17 By Serg Gynca & Ost.

thor ascribes to Kroniz and his school the credit for the great dwance i the radiotherapy of Cancer as well as of myoma. Doderies has been working along simils lines nd reports exceedingly good results from the use of mesotherum in cancer The cancer of old people is easiest t influence. One operable case in very carly stage was treated th complet cure beart lesso made operation very manie. Doderlein presents bes titul microscopical preparations, which prove that his optimism has firm foundation. The cancer cells are show t chamteurst t different stages in the treatment, whereas the normal cervical mucosa remains in apparently perfect coadmon. A selective actor of the highly filtered rays for the cancer cells is there-J R MILLIA. fore proven.

Küstner A Psentiarly Shaped Myonsatous Uterus (Emeryomatoer Uterus egentushcher Kosfeuration). Destache Gereitek f. Gradi. Halle 2013. May

By Zentralis Ld. gas Gyark Cebornis. d Grosspok.
The utcress had arequired the size f adult's lead,
the hole corpus being evenly transformed in a myomatoon man of tissue. The only portion still averand was the contensor layer directly below the perforance. The graph of the content of preparations notline. This is the first case of this nor observed by Konten is apid of the fact that he has seen many hundreds of myomata. The little mucosa that was present showed normal structure. The appendages also were normal except for the pecuhar smoothness o the surf ce of the overy ther being no Graffian follicles and very few corpora albicantia. The hymen as absent and penis-like protubera ce projected from the external genitalia. The urethral opening was myisible and there was no vaginal pourh in the rea of this. The patient was thirty-seven years old, had never menstruated and came into the clime a account of hemorrhage from the genitals, the result of trauma. SAULE

Freund Partial Myoma Operations (Über partielle Myomoperationen) Destrike Gesellick f Gynth Halle, 9 3 May B Zentralbi Ld ges Gynak Gebortsh d Grenngeh

In women pproaching the menopause it is fro-

quently possible to retai menatruation by perform ing partial operation which however will be radical in effect. This is adva tage ver \-ray therapy The uthor reports new wedge-shaped myomer tomy including the entire fundus and corpus uten. The bladder is stripped off the uterus, the curved incide extends from the middle i the posterior utenne wall, passes the tubal insertso t the middle of the anterior wall, correspondi g incles opposit side is made ad a wedge-simped portion is excised, actuding all hypertrophied mucous memlayers N brane. The defect is utured in t myomatous podules are overlooked by this method nd large portions of hypertrophied muscl and

mucora ca be removed thor excises the en In pure fundus tumors th tire fundus by means of circular incision. Men struction was retained in all cases and became nor mal. In smaller tursors both operations can be per

formed varinally

Whit house Pathology and Treatment f Uter ine Harmorrhage Fradilsoner Lond dilsence Loud o 3. 2c, By Surg Gynec, & Obst.

Hemorrhage due to pregnancy and abortio or t neoplasms is not here considered, the autho confining his views t conditions where the diagnosis may be less typically set forth. The conclusions are

N treatment f tenne hemowrhage can be rational pless the cause is est blaked the empirical administration of harmostatic drugs is frequently useless and induscrimente curetting is dangerous The menorrhagia that occurs in young girls t

the age if puberty is probably due to the association of functionally mature ovaries ith deficient uterine musculature. It tends t pontaneous cur nd should be treated by rest and if possible re moval t blaber altit de

3 Hemorrhage in young omen may be due t mucous polypus, denomatods terl, or bacterial infections of the terms

4 A practical method i investigating the bacterology of the uterus is by the collectio of the menstrual blood

c. Hemorrhages at the menopause are frequently the result of increased arterial tention, portal obstructio or degeneratio and fibrosis of the terms secondary t arteriosclerosis. It is probable that som cases I fibrosis uten are apphilitic in origin. Treatment must be to reduce vascular tension. Errot usually falls and it may be necessary to remove the uterus.

6 F ults in the calcium metabolism may be the cause of obscure uterine bleeding, which may be cured by discovery of the cause and the administration of calcium salts. Occasionally the combination of thyrold theme with calcium is beneficial

7 I every case of uterine harmorrhage it is emential t look for a general cause before the local pelvac conditio is investigated.

CARLY CULBERTION.

Sehrt The Thyreotenous Eti logy of Harmor rhagic M tropathies (Zur thyreogenen Atiologie der kamoerhagsschen Metropathien) Munchen med Websick 9 3 ls, 96

By Zestralbi. f d. ges Gynak. Geburtsh. d. Granageb. Schrt investigated twenty cases of uncomplicated

metropathies, anding high grad lymphocytosis (50%) and relative neutrophile leucopenia (45-68%). in thirteen. One case whith had no lymphocytoch, presented 2% cosmophiles. Congulation of the blood was increased in 9 cases (8-4 mi tes against 9-omittes normally) From th analogous blood picture in hyperthyroidism be concludes that the disturbance of the relation between the thyroid and ovary may be the basis for these unexplainable hemorrhages and that many cases of hemorrhape metropathy re really bortive cases of myrordema. On account of the parallel ism of the symptoms of tetany of pregnancy and eclampsia and because of the beence of a definit anatomical basis by which these two conditions can be differentiated clearly the author advises noting the blood pict re of eclampaia. The histological findings i Holmelster who observed kidney changes after thyroidectomy th combination of mystedema ad eclampaia (Herraott Fruhinsholz, Jeandelize) the increased coagulability of the blood | eclampsia (Jarrew) lead t the suspicion that relation exists between hypo-thyroidam and eclampain. This view is supported by an observation of the utbors. The patient was a woma who had had difficult labor with severe harmorrhages three years previously and who presented the blood picture of hypo-thyroidism. The labor occurred spontaneously but four-day eclamosia developed.

Bell The Pathology of Uterine Casts Passed Dur ing Menstruntion. Swg Gyers & Obst., 0 1. avi, 641 By Surg Gynes. & Obst.

This paper is based on some original pathological investigations of terine casts passed d ring menstruction. The utbor states that there are two distinct Linds of uterine cast () True blood casts of the terms () enclossetrial casts. If considers that the blood cast re formed by the clotting of mensurual blood within the uterine on ity. II point out that he has fready sho that menstrual blood does not ci t normally only t the ext action of the fibri ferment by the adometrium, but that when there is menorrhagia, the flow is too rapid for this retract on t be flected and consequently the blood may lot either in the term when blood casts are formed, or the agina The endometrial casts may be either thick or the according to the depth of the depudation of endometrium high is brought about by the hamorrhage which strips in either the bol or th superficial layers of the endometrium. The latter these circumstances, is denser than nor mal owing to the decidua-lik, this go in the collis of the stroma

Illustrations are given of may mentical endometical case i, derive the microscopical and monicopical ppearance. One case is of peculia interest for the utstor removed the fallopian i besidere passes previously. Ususit every countly that three years previously. Ususit every countly that patient passes their endomental cast the larrestration may roughly be present early abcrition. Microscopically the exits of the strongs how orthor.

marked decides like resultion

Chisholm Menstrual Molimina; Adult Cases.

J. Okil & Gyare Bed Eng. 9.3 xx8, 559.

By being Gyme & Obst.

Basing her conclusions on study of oo cases and upon the previous ork by Tobler and Ketsham the author has furmulated the folloring

Among adult the curses of disturbance at the stensional period or many more than among adolescents

Pages by personal of the pel se organs pocura the the cause of much locil par. This is referred in the imports of cases—the first day ther omet of menerication. J. Usheshite kypicale coolitions and mode of

ly outpeated a special codemon in the consystem so that pain is readily felt and habit of pain t the mensional period formed

4. Nervous symptoms, reflex and vasomotor are often associated ith secondary menstrual discom-

5 Except a very small amounty of cases this measured discomfort does not first the woman's capacity for currying on her ordinary ork.

6. A ppearance or development of mentional pain also pratioofficial condition home cruse whether local or general, ought the vertigated and treated before the disconfort becomes established as regular habit. Caracters

Haymann Disturbed Menermation t Psychoels (Menermationstorosters for Psychology of 1 Menermations of 1 Menermation to Psychology of 1 N 3 By Zentral M. d. gor Gyoth Gebertals a.d. Generals

The ethor mad careful study of cessatio mension in the psychic cases. The patients ra ged from 18 t 46 years od included only thank he falled t reveal a cause (the meastraid disturbance. All cases had been observed t least 3 months. The thors been stores or enacle on 200 auch patients at his conclusions are

Cesatio memnum is frequently met. (tk. It may begin a y stage of the mental draturbance. It percedes the psychic sympt ms.h. small percentage of cases but occurs most frequently one t. t. mosths after the mental symptoms.

become maillest

3 Menterual disturbance seems 1 by been in cases of chronic pramous, is rare in indevies, for Gases of bynderical psychosos, and degenerative shoet. It is present 1, 50 per tent of respectfully, 35 ps. cent of the cases or main; self-respectfully, 15 ps. cent of the cases or main; self-respectfully, 15 ps. cent of the cases or main; self-respectfully, 15 ps. cent of the cases of dementia pramos and trateour somewhat less in behepherens and least of all in deme (an paramother, if it arrey frequery present an organic ps.) boses, including purishing.

5 There is decrease in eight at the time of mensional di turbance the eight again going in when the menses set in Konta.

Bla Dysmenorrhot nd It Treatment (West and Behandling der Dysmenther Unf Alie

By Zesta 24 de pre tynal. Cebarth d Greength.
The majorit, of albors re greef that the cross of the palms less: the credition of the across of the palms less: the credition of the across tysers is associated with hypoplasm of the pratials not but the latter must be considered as part of cooming round aborally of asilteness as part of cooperations of the patient and appearable the translations and asilteness measures to extend the present of arthresis constitutions.

I add thou to the general treatment per he therapy alone is the etiologically correct one. Regulation of the bowels is of extreme importance for trail terroverse a advised he no untavorable tafluence upon the nervous averem is leaved. Locally h drotherapy gymnatics and massage re recommended to sexual inf tiham. If the general and local treatment fail sounding and dilets son of the terus may be employed. Castration is of questionble value. Uray treatment is dangerous because of the possibility of inducing permanent at ribity or later feeble conception products. Pain neidest I mensionate should be controlled by but applications and the usual drops. Assal therapy on rount of is good result deserves t be tried in Brickery each case

Zoeppritz The Treatment of Amenorrhor (Inc Behandlong der Amenorrhos Destade Gestlich f Gasti Halls, Mis

By Zentralia f d gre Gynak a Gebarrat. d Greaters. In women raffering from amenorrhosa increase

in the lipoid content of the blood has been einerved indicating hypo function of the ovaries (Neumann

Hermann) The author in restigated this I et and determined that in 5 cases of amenormhere a de created amount I flipsed was found, while another to conset the amount was increased. In the latter a matted improvement was biassed by the administration I ovarian extracts, whill the former class did not react to ovarian preparations no to rigidition as recommended by Fromme.

Hill A Further Consideration of the Use of Corpora Lutes in the Treatment of Artificial Metops so. Surg Grace. 5: Ohr 9.1 rd.,7 By Surg Gypec & Olsa.

IIII, in reporting twelve cases treated with corpora I tea, was careful t select patients of intelligence and reliability running from 5 t 38 years of ge cases upo whom he had operated and removed both ovaries and who showed the most severe type f pervous symptoms. Following the me of corpora lutes in these cases the nervous manifestations were completely eleved in every case. In two only was there complete relief f om fashes of heat. In one case, here incoming was most disturbing symptom complet relief was beauted from corners lutes, five graup capsules being used three times daily (total umber po) The author was unable t report a y cures as in several instances the treatment was interrupted and in others who had ceased treatment elapses oc curred and they were compelled t erum treatment

Hill in a later article calls attentio to cases of artificial menopause reported to 1 which partial or complet failure to control symptoms a ere noted following the diministration of corpora lutes. In seeking to determine why these reports were so much at variance with his own results, it developed that insufficient medication was the prim factor in the faffure to control symptoms. I seen cases as few as twenty four capsules were given maximum was ne hundred. Hill calls itention t the abrupt precipitation of symptoms and the great amount of disturbance etc., and the obvious necessity for treatment of some duratio The duturb ing symptoms usually ppear 1thi abort time after operation, in many cases showing at the time the next period should mam(est tself and continu ing, unless thei is obtained, for from eighteen months t three years.

Symptoms may disappear after using corporament and response after its administration has been dispositioned. Treatment should be continued to some weeks after the patient presents normal condition. The other finds it necessary in most and i cocker is the present the market compeller and i cocker is to harder themselved the contractioned. I relapsing cases the accord treatment in usually much aborter than the first.

Ward The Treatment of Endownstritis. V F

If J 9 1, revi 8 By Surg Green & Otes.

The pathology and treatment of endometritis are
discussed in this paper. Ward refers to the revolu-

tionizing work of Hitschmann and Adler published in 1008 on the cycle of the four distinct stages of the endometrium througho t th menstrual month. The first stage is the premenstrual which begins six to seven days prior to the ppearance of the flow and is characterized by an increase in the thickness of the mucosa two t three times that of the resting stage. The glands and their cells are enlarged and the stroma throughout has assumed a decidual type. This stage presents the conditions which were previously considered as characteristic of chronic hypertrophic endometritis. The second stage in the cycle is the menstrual stage when th blood poears and general det rgescence is noted The glands become flattened and some of the superricial epithelium is cast of. The third or post menetrual stage shows the mucosa thin and bale. The glands are narrow straight with contracted lumina, and the epithelial cells are small. The fourth stage is the interval stage which lests about two weeks ad shows the mucoss in what we have hitherto considered the normal condition. Th normal changes, therefore must be recognized as a temporary physiological hyperplasis and they be come pathological when they are permanent or size tionary The permanent hyperplasia may be due t true inflammation to circulatory disturbances

Albrecht ad Logothetopulos contribute the following conclusions for an anatomic diagnosis of endometritis. It is based o certain changes in the stroma and blood vessels circumscribed or dif fase infiltration i lencocytes, emphation, hyper troolsy or stroody of the stroms the presence if blood pigments proliferating blood vessels and sufficiently along the vessels, and inflammat ry infiltration in the muscular interstices. I eddi tion to the normal premenstrual hyperplasia there are certain nothological forms which are stationary as the transitional forms between hyperplasis and adenoma occurring during the menopause nost mensurual and meterval hyperplasia, hyperplasis following prolonged placental retention and hyper plasta after prolonged hemorrhages. 3. The perma nent hyperplania may be distinguished from the tem porary form by certain anatomical features mitoris, which is not marked in the latter form irregularity as absence of the premenergial folding of the mucosa true intragiandula papallary proliferatio twisting and elongation of the glands thickening and increasing of the epithelium d t mitoms irregular secretio and loss I the typical premenstrual secretion. 4. I chronic inflammation the regularity of the cyclical menstrual phase is disturbed. 5. Chronic in-flammation usually cames a proliferation of the uterine glands hyperplastic and proliferating endometritis is therefore correct term, but it should be distinguished from the pathologic hyper plasts of the terine m coss in the absence of inflammation.

The treatment of endometritis is presented from the clinical rather than pathological standpoint. All cases (endometritis are divided int two varieties one those which are the result of an infection and two those resulting from dreulatory disturbances. In the first variety, cut and chronic types are seen, but the chronic form, n account of the loss of virulence of the causative batteria, or their disappearance annulates closely the non-infective type. The treatment is summarized as follow.

Lencorrhors, the most prominent manifestation of the disease comes from the uterine cavity and not from the variou. The treatment to be bserved in acute infective cases is masterly inactivity 3. The first and most important principle t he observed in treating cases of chronic hyperplastic endometrius is t determine the cause of the venous stasis and treat the same by ppropriat measures.

4. The curette is the most valuable means for remo ing the greatly thickened and diseased endometrium. but if it is used alone, without correcting the cause. only temporary relief is obtained, 5 Vaginal douches, glycerine pucks, and postural methods, if employed properly are valuable adjuncts ! abling and improving the privic circulation. 6, In those cases which are probably dependent pon disturbed ovarian function, either excessive or diminished. such as in the preclamacteric menorrhagias and metrorrhagias, arteriosclerotic uteri, chronic metrina, and high are not benefited by the local measures, a cure is sought in the CHICLE direction I ovarian control, possibly by the X-ray or by sera from antagonists glands of internal serre tion otherwise complet ablatio f the overies or hysterectomy is the only resort 7 In submitting curetted timeres t the pathologist it is imperative that the relatio of the time of the curetting to the time i mensiruatio be stated, in order to obtam a onlake of value HEART SCHOOLS

Jnose I version of the Uterus, with Report of Case Occurring During the Puerpert in and Caused by Fibreld. Serg Gyan. & Olet., 9 s. xvi, 634. By Surg Orser & Olet.

Inversion of the uterus is very race pathological condition and usually a caused by child-furth. It occurs once in about all, one observed permanent of the uniform content of the unif

Etiology In obstetrical inversion, the primary cause is uterior relaxation. The chief secondary f ctors are pressure on the fundus and traction the cord. In precision not obstetrical in origin, utrine fibroid as almost the exchange cause.

2. Pathology Most cases are both cute and complet. In the complet cases the most important point at the degree of contraction of the cerva. In invention of graceological origin, the causative tumor is of president importance. 3. Symptoms. In acut cases, the cardinal symptoms are hemorrhage bock and pain. Later the manifestations of complicating infection may appear. In chronic faversion, the symptoms are those of marked uterine prolapse plus those of menorrhagia and metnorrhagia.

4. Diagnosis. This is made from the objective findings excludively in obstrational irresists it is almost at ya very easy Vaghtally large, soft, pear-shaped, bleeding tomor is found, with the placents attached I about half of the cases. Abdominally no corpos is found, but instead there is explice deprecation. In gracological cases, the diagnostic of inversion drust. Introd freprestly the diagnostic of inversion drust. Introd freprestly the diagnostic of inversion drust. In fined freprestly about the control of the control of the control of the about the control of the control of the control of the about the control of the control of the control of the distribution on the peritoneal surface.

5. Prognosis. The mortality in scute cases in recent years has been about 33 per cent in chronic

cases, bout 6 per cent 6. Treatment I all cut and m most chronic cases, the manual reposition should be tried. In most of the former if undertaken maily and in many of the latter this procedure is recognitul. If it falls, repositors, etc. may be used, but only for short time If these are prepresental, one should resort t once to some operative method, the one of choice being colpohysterotomy. This operation stands presiminent in the treatment of difficult cases of atempe inversion on account of the facility of its performance and its success in accomplishing the reduction of the inversion, ad also because of the practically complete absence of my mortality. The uterine incomen hould be made at first through the cervix ply and later should be extended as far int. the corpus as necessary t accomplish reposition. In inversion due t tumor the treatment is mostly that of the causative fibroid. After this is removed, If the oterus stall remains, spontaneous replacement occurs, in boot one third of the cases, while in the other instances eduction is accomplished usually without difficulty by non-operati methods. A

Donald and Shaw Ratrofferion of the Uterus.

Practitioner Load 9 j. zz., 56

By Surg. Gynec. & Obst.

case is reported in detail.

These others has compiled statistics with reference to yumptions commonly associated with retrodical uters. These symptoms are memoritage and meturothagina, dynamenathers, chronic palamicardiage and sternity. As a result of this study they find that that the majerity of cases, these symptoms or compilating are not present in uterior settlefacion. The subsequent histories of 207 patients who were curried to that according have been stated to the control of the control of the study of the control of the control of the factories. As a result the authors argue armon's fundamental of the control of the con-

t. Simple mobile retroflexion of the terus sel dom, if ever causes symptoms.

a A patient with a mobile retroflexed terms. suffering from a v of th symptoms mentioned and who has not improved with course of drugs, should have the terms dilated and curetted

t. Any firstion operation is justifiable in these cases until curettage has been given a trial

4. If curettage has falled t improve the condition within twelve months of the operatio a firstion

morration may be advised. t. In almost Il the cases in which curettage has

falled, some conditio ther than sample etrodexion will be found. CARLY CELEFRIPOR. Andrews An Unneval Che of Ruptur of th Uterus, Proc Rev Sec. Med. 9 3. Obst. & Comer Cont. 2 B Surg Gymes & Obst.

The patient was 3 years ld and had had to previous instrumental delivertes I her third abor the accoucheur had pulled the head thro gh the him of the pelvis th the forcers with great difficulty The child was born alive with the oc ciput anterior and the placents was removed by hand. to anesthetic was employed T enty four hours later the patie to conditio was grave. The swollen, lacerated cers protruded three or four lockes from the vaguns, t being very dark in color and giving off an fiensive od Examinatio showed () an incomplete rupt re of the perincum, () the vaging was complet h separated from the cervit except for about three inches in fro t and t the right side (1) the lower terms segment and cervix ere separated from the pper segme t ex cept on the right side and in front (4) the lower merine segment and cervix ere torn through from top t bortom on the left side. A large quantity f blood as found in the peritoneal cavity 1 ginal hysterectomy as undertaken the greatest difficulty coming in the separatio of the bladder from the cervix. The torn left terine artery could not be found. The anterior and posterio peritoneum and the vaginal walls were sew together drainage tube was inserted and the perincum was epaired.

Recovery eventually took place after four and one-half weeks of pyrexis. Andrew believes that the acconcheur must have pplied the forceps out aid the term, the cervix and the lower terine segment being pulled way with the head by main force CARLY COLUMNICOS

ADDITIONAL PRINTERINE CONDITIONS

Abel and M livey The Arrangement and Die tribution of th Nemes in Cartain Manualin Ovaries. Proc Rey Sec Hed 9 3 vs. Obst. & Syner, Sect 240 By Serg Gyme, & Obst. Gymer. Sect 140

The authors briefly review the literature of this subject, giving the methods of investigation and the exilts of the work. The latter may be briefly summarized as follow

(s) The wary in the cut, dog and tubbit is richly supplied with perves which enter at the blium.

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(s) In the ovarian tissue the nerves are divided i t three sets vescular follocular nd an interstitial set which all anastomose.

(a) On the course of the nerves numerous vari contles are seen, while groups of very small cells are found in connection with the i terstitled set.

(a) The following nerves lie in the tunice intima and externs and do not pass into the membrana era nolosa.

(c) The functio f the ovarian nerves is primarily specimentar. C. D. Hotanes.

Rathe Pseudomyzoma Peritonel with Involvement of Oraries and Appendix (Pseudomyrotta peritone mit Beteiligung der Overien und der Appends) Mometische f Gebertale u. Gymble 913

sveril, s By Zentralbi. L d gra. Cynak n. Gebortah, s. d. Grennych

The patient married and at years old, was first operated upo in 901 to bilateral ovarian tumor the left the sum of an adult head, and the right the size is fat. The left tumor rentured dunner its removal and a gristinous pseudomorinous fuld escaped. The right one was also removed and showed the same characteristics. Gelatinous fluid was found free in the belominal cavity. An a eventful recovery emped. The patient entered th chine again in o 2. In the sear a mass we found the size of hen's egg consisting of pseudomuchous growth in the pentoneal portion of the

bdominal wall. Metastases were not found within the bdomen. The patient entered the hospital the third time seven months later. The seneral condition was bad, a number of tumors being nalrable in the becomes. During the operation tumors were found at the place of resectlo of the right vary in the pentopeal covering of the bladder and dissemi nated throughout the entire omentum. The pren dix also was cystic, being 5 cm. long and 4 cm. broad. The tumors were removed as far as possible but the patient was discharged unimproved. The author recognises the typical course of the disease which coincides with the investigations of Weath. Olshausen and others. The culthelium is dissemi nated and continues to proliferate as determined by taleroscopical examinations

I 190 Frankel of Hamburg proved that the disease may originate from the diseased poepdix. Several analogous cases have since been described It is remarkable that these cases always terminate favorably whil those originating from ovarian disesse do not Th author contradicts the statement of Meyer that pseudomocinous tumors of the ovary are accordary and that pseudomyxomata peritonel is usually derived from the opendir. Joseph 12.

The Grafting of H man Ovaries (Los Tather grelles examenes homaines) J 4s chi 0 3 2. By Sory G pec. & Obst. 530 Tuffer having demonstrated that ppression of

menstruatio and not loss of ovarian function is

the cause of post-operative trouble following castration, presents a study of the results obtained by preserving the menstrual functio through ove man grafts. A series of 130 cases proved that ovarian utografts alone are capable of ovulating and of

maintaining the menetrual function

The uthor technique is as follows: Given case of salpingitis in which the uterus can be con served, the tubes and ovaries are removed. The ovaries are immediately grafted in th. loose subpent neal cellular tissue neon each side of and gor 6 cm. distant from the median incision, which is then closed in three layers Even if the every be scierocysti it is valuable for grafting if it be aseptic. The author strives to plac the hilum of the gland next the aponeurass.

Of 44 patients perated upo 1 this manner the uthor has seen o, 8 f whom have menstruated 14 having been followed for more tha months All have had the following sequence ovulateo ad menstrustio Increase in volume of ne ovary day later mensuruatio with disapthen, 3 t pearance f the overan tumefaction. This phenom enon is not witnessed until from 3 t 7 months after the operation. The witaht of the ovaria grafts has been demonstrated in to cases. bich required the removal of the grafted ovary \ \ \olumb nous arteries and veins ere demonstrated at the

periphery of the grafts.

The utho has observed that from the dat of operation until the respectance i menstrustion the patients suffer from the usual effects of custra tion befor the menopause even if the transplanted ovaries undergo their characteristic swelling. As soo as menstruated sets in, all the celdents consequent upo castration disappear. The obvious conclusion is that menstruction and not ovulation is the more important for physiological equilibrium.

These ovarian grafts do not functionate indefinite-The distant results from one t five and ourhalf years following operation, show that of 14 pa tients ally three mensuruat regularly as regards quantity and periodicity are egular but have had menorrhagia, 4 are pregular 3 after years have seen progressave disappearance of menstruction, had menorrhagia ath prolonged menstruation and finally 4 had pain either 1 the sit of the graft or in the uterus andin cases, afterlapse 1334 years, the graft had t be removed. While in some cases the new life I the graft with normal function is show by normal menstruction, in other cases it adapts stack badly t its boormal nutrition and ends by atrophy

The author finally concludes that in young women particularly if they suffer from hyper thyroldism in the presence of inflammatory lesions requiring resection of the adners, the uterus should be left in place if t ca be comerved, and one or both ovaries should be grafted. Thus measureation is

secured for greater or less period 9 physiological equilibrium of the paHarms Transplantation of Overlee into Foreign Species: Second Report (Uberpfanzung or Gwarfen in cine fremde Art, Matelle.) - Irch f Entwickle practic d Organism, 9 3, xxxv, 745 By Zentralbi f. d. ges Gynak Geburtah, d Grenageb

The question considered was. Has the host of the transplanted every the power of influencing the germ-plasm? The ovaries of foreign speties of tritons were transplanted int the domestic triton, and the two animals kept in symbotic relationship for some days before the overy was entirely transferred I this y the effects of the foreign albumen as voided The implanted ovaries if ed and produced eggs but th flapring as that of the domestic triton. This show that the host had no influence on the germ-plasm of the transplanted

R Seel The Effect of Castration on the Hr pophysis (Uber die Hypophyse such Cestration) Musclen med Weisseln 9 3, ht. 952 By Zentrajbi, L.d. gen. Gynak, n. Gebortch d. Gyenigsb

The relations existing between the hypophysis and the genitalia are antagonistic. The experiences obtained in the study of acromegaly dystrophia diposo-genitalia, and the investigations after exter pation of the hypophysis all speak for that fact. On the other hand, in cases | ith primary changes in the genitalia more or less typical changes in the hypophysis also result such as hypertrophy during

pregnancy and the well known changes occurring in snimal, following custration

The waker investigated the matter on physical glands. A definit enlargement of the gland by weight could not be demonstrated regularly under the conditions under which the cautration had t be conducted. That is part is due t the age and the cachetic condition of the patients in whom It was necessary t extirpate the gential glands. If this extirpation occurs during the elimactermin but few changes are demonstrable in the hypophysis whereas if it occurs in younger persons the hypophysis reacts in very short time t the removal of the ovaries or of the entire pelvic viscers and this even in the presence of severe general disease Histologically hyperplants of the cosmophile cells occurs t the expense of the principal cells and especially of the basephilic cells. A special phenomeno characterizes the latter I , they abundance in areas of the hypophysis in which normally but few are found

A Case of Chorie-Epithelionus Cope and Kettl of the Fallopian T be Following Latra U as ine Gestation. Proc Rey Sar Hed , 19 3 vi. Obst. & Grace. Sect., 247 By Surg., Gynen. & Obst.

The patient was 45 years of ge and the mother of two children T years after the berth of her sec

Bd, which fired 7 days, she was told she had mole. Three years after this she was abdominal distress characterized by great ventiting and unconclousers. Vagmei examination showed an enlarged painful swelling in the left fornit. These symptoms a baided after three weeks rest in bed One year later she cam to the hospital for constipation and vomiting with diagnosis f intestinal obstruction. On abdominal section a large man filled the pelvis. The growth had its origin in the right side of the pelvis. There was no trace of the right fallopsan t be At the end of the third week she began t complain of pain in the right illa fossa. She had some temperature and on opening the abdomen second time dark red mass was seen between the carcum and the right brim of the tru pelvis, also alling the right half of the pelvis. On removing some of the firmer potions, great difficulty was experienced in stopping the flow f blood. The nations died I few hours. On post mortem examinated both terms and

vagina ere found t be normal, and more portions of normal oversan tenue were found in the midst of the material rem ed at the first operation, and since the only traces of fallopian t be seen o that aide were in the microscopic sections, there seems t be little doubt that this was a case of tubal chorioentibelioms. The material removed at the first operation was also chorio-enitheliomatous.

From the clinical aspect the following conclusions are offered () Cherio epithehoma of the fallopusa t be has

no special age of meldence. () It is sometimes accompanied by DICTIONS distory suggestive of a waning vitality of the fertilized ove.

(1) The symptoms are usually those of tubal gestation followed after period of quescence by tumor formation and wasting In minority f cases aterine hamorrhage and hypogastric not may be

all that is noticed. (4) Sometimes a vaginal nodule first calls tren to to the co dition

(5) I any suspected case abdominal section is to be dvised. (6) All tubal gestations which have been operated

should be carefully wat hed for considerable period after operation. (7) If the growth is t the angle of the interus

hysterectomy is advasable

(8) The prognous is uni vorable, but can never be given with certainty because recovery has taken place even when secondary deposits have formed. (o) The origin of the tumor is from the perverted

growth f the choronic alla tubal mole C D Hotacus

EXTERNAL OSNITALIA

The Surgical Treatment of Frimery Carcinoma of the Vagina ('is elsotleges havely ratch matter kemifeten). Butaperts green speed spreg.

Bebenret, 9 3, ll rd. By Zentralbil Ld ges Gynck u. Geburtah d Grenngeb. The author circumcises the vagina in the introitus, forms cuff closes the vagina nd anns. Then he

makes an incision through the skin from the sacrum to the anus, removes the or coccyx and isolates the rectum o all sides. The cutaneous incision is then carried to the vagina after a circular incision is made about the anus. The muscles of the pelvic floor are cut through and the rectum and vagina are pulled down. The urethra and bladder are freed from the vagina, the preters are pushed up the plica wedco-etering is cut and the uterus and adness are pulled down. The two spermatic arteries are ligated. The round and terine ligaments also ar tied. The latter, as well as the parametria, are then dissected. The flexure of the colon is then isolated so that the rectum may come down readily The peritoneum is then closed, and deep retention muscle sutures are made with allk. Ganze drainage is provided f through the middle of the wound, ending pear the sigmoid and peritoneum. After the wound is closed the rectum is cut through and an anus sacralla is established. Recovery was rapid and the putient was well six months after the operation. The stool is regulated by means of controlling the diet.

FRETTEL. Bandler The Importance of the In ected T

Incision in Vaginal Surgery Mod. Ros. 0 1, herrif. 64 By Surg. Gyper. & Obst. The a thor strongly advocates the use of the Tincision in all gynecological cases where the

variant route is considered in operating on multipera. Such operations as the following be does with the incision Anterior fixation, vaginal fixation correction f cystocele, retroflexion, varinal hysto-

rectomy sulpingectomy etc.

The procedure is simul A transverse incluion is made around the cervix in the anterior fornix then the bladder is stripped off of the anterior wall of the uterus. This discloses the vesico-uterine fold peritonrum which can be opened under guidance of the eye. The bladder is now stripped from the anterio vaginal wall and this wall is split longitudi nally beginning in the center of the transverse incision. The author claims this will make as large an opening as the verage bdominal incision, and there is no danger of perforating the bladder EUGINE CARY

Kurg Esthiomens, or Lupus Vulves. J Obc. 5 Gynec. Brit. Emp 9 3 2200, 153. By Surg., Gynec. & Obst.

This is an elaborate historical, pathological and clinical study including analysis of six cases.

with three tables and then microphotographs. The author' summary is as follows

Nomenclature. The term esthiomens has been misunderstood and misapplied by many au thors. It should be retained as a useful term replacing the expression hypertrophy with ulcera It should be clearly understood that it is a tertiary syphilitic lesion. Lapus vulva should be replaced by the expression tuberculoris of the vulva, t berculous alceration and hypertrophy

occurring in the perineal region while tipus waitparis, as found in the skin of the fact, does not Elephantiasis is term applied it hypertrophy occurring i chronically ordenators paris whence the return of lymph has become obstructed or readered largish, and where, ownge to the unhealthy stat of the enlarged parts, low form i chronic information has set up. The hypertrophied information the property of the cardination silence that the enlarged parts is the cardination silence and the contract of the cardination silence.

3. The nature of exhibitmene it is not discussion in proof in our form of low bronk electrical experience and water for the natural spidling or the returnosal. It is not series to produce in no matter to be teen to an ordation between the other than the compaction between exhibitment of the only connection between exhibitment of the other than th

hypertrophies called elephantiasis

5. Each meneral territory sphillife maniferation (a) A direct or probable heatory of a sphilar at at most always obtained (b) The mojeratory of each cross respond to analy philitor treatment, those later or chronic craces not so responding being no affection that or behomes and times the document of the confection that or behomes and times the document of the confection that the subsequent temperature of the confection of arthonormen marked by ittempts at beinging with page-central relations.

nees, the non-impairment of the general stat of health indicate the syphlitic nat re of the condition. (a) The masses of meatricial these with subsequent contraction producing severe structures and extensive deformities is typical of no other discuss. () In no other constitutional disease is there such constantly present combination of hypertrophy and ulceration as i syphilia. (f) The microscope re yeals the typical gumma or gra uloma if the third (g) Up t the present time we find no cases recorded where the spirocheta pallida was found in esthiomenic tissues. (a) The posit ve Wasser menn reaction will certainly in time relegat all cases f enthomene int the field f tertury syphilitic legions. CARET CULRERISON

Hazen Perissorrhaphy with the Buried Layer Stitch. Internat. J Surg., 93 xxvl. 14. By Surg. Oyact. & Obst.

The other points out the objections t the old Emmit operation, expecially the dansivant get of the mass attick or cove, with the failure of the table them to be a second or the construction of the last being the party of the construction of the table them to be a second or the construction of the second of the construction. The same blue tools would seem t hold good here as hold in the side method of using the mass attick for closing the bluemaid all Nove in a real hep partition of proviments of the construction of the construction of the same blue to the construction of the contraction of the construction of the contraction of the construction of the contraction of the con-traction of the contraction of the con-traction of the contraction of the contraction of the con-traction of the contraction of the con-traction of the conlayer by layer. First the levator and muscles are freed and brought fat plain lew. They are the satuted. Ith strong chromic gut. The deep facts as then sheuthed and natured in the sam manner. The superficial facts in next satured. All of the forefolg satures are buried. The sales is closed with some one-short-ble material.

[11] Sames.

Schulak Primary and End Results of the Operative Treatment of Periosal Lacerations. Vaginal and Uterios Froispes Threetja Restoration of the Pelvic Froispes Threetja Restoration of the Pelvic Froispes Threetja Harving to the Computer of the Pelvic Froispes of the Schrides and Perceptological dark Harving do Beckenbodens) Hal Envision 9, 3, 4, 459 By Zentralk Ld gas Gyatt, Gebruth de Grauph.

The material consisted of 5 6 cases. Of these there were 50 cases of perincal lacerations athout any vaginal or terme prolapse o lik prolapse of vaginal wall in various grades 144 with incomplete. and a with complet prolapse of the terms. author is of the opinion that prolapse I the vagine and uteros occurs to 90 per cent of multipura and in 3 per cent of nulpara. The degree of prolapse is directly proportional t the number of births. The disease is chronic. The first evidence manifests itself fter the first birth 45 per cent in 6 per cent fter follow ng births in 30 per cent after the last labor and in o per cent duri g the climaeteriam. per cent the acut prolapse a due t external traums of the perineum and is accompanied by shock The weakness of the pelvic floor the retroversion od the prolapse re closely associated (the child-birth. A complet laceration of the perineum rately results a proispee of the terms and vagues. The best results of the operative rescoration I the privic floor are obtained by colpopertine or happy

The longest observed case dates hack eleven year, the shortest more months. The principly operative results et a 90 complete recoverse, 3 dealth, 3 cases discharged uncured. Dight recorreces were observed among 50 pathents he appeared for re-c amunifico or answered by sold. Absolut cure therefore qu 6 per cent. Mortality rate as a, percent

The author advises high imputation of the certific is elongated and hypertropholic critices, anterior colporabephy in cyratocis. Valapid recisions in chronic metrific and correctment in endometrials as valuable and in restoring the pelvic floor. They and materially 1 the primary not cold resources. They are materially 1 the primary not cold resources are considered in the primary and conditions and the primary
MISCELLABROUS

Hartmann Extravenced Opening of the United in Women (Uner the error selects Amendment the Harnbetter ball France). Zircht f graft Unit Laps to 3, 97, 69

By Essential I d. gra. Gysal. Geberok d Graugeb-This patient was 40 years old and had been suffering with incontinence for 5 years. Although sh h d noticed it on evertion we before that time be alleged that felivery he she was 4 years old was the use of her trouble

Estimation aboved that the split eter of the bladder as intart but that there was small openion bladder-the dilatation the sare of grape in the ulva behind and it he left of the urethral opening. The little sax mpt ed. I all the distribution of the left of the urethral opening. The little sax mpt ed. I all the left of the urethral opening. I internously in legislation of the left of the

result as ery satisf the The whose the 3 cases found in the literature (3 of those being eported by the uthor himself). If lay stress on the dilutation I the distail end of the ureter. The only treatment is surpical. Briefly the facts of the nuetter persated

Cases re Openium Communication
Extraperitoneal route Vaginal route Resection of kudney

Therefore the impla t tion method is the operation of choice. I adults the agenal oute, ad in children, the bidominal give the best results.

Dos

Volgts Mesothoritim as Substitut for Y Rays (Mesothorium is Rostematralknervata) Desirche Genitich / Greek Halle o t May By Zentanbil i ges Gynak Geburak d Grenngeb

The uthor reports experiments conducted for the purpose of eplacing the X-ray treatme t of menorrham metropathies and fibroids with meso-thorium. The preparation is enclosed i tubes so and so my each, but are fast ned t copper rods for insertion into the uterus. Lead and alver filters were used i thickness of t mm Climac teric hemorrhages were cassest to influence nine cases being cured 1th; short time. The result btained in three cases f adnexal inflammatio was surprising. By ex loding the menstrual congestio the inflammation quieted down the symptoms disappeared and in two cases gradual but definite decrease in the size of the tumo occurred. Seven cases of menorrhagic metritis ere more obstinat yet amenorrhors was also obtained Eight cases of myomata were treated with variable results. Amenorrhora resulted three times two cases are still under treatment and three cases complete fallure occurred.

Among the aide reactions btained, collapse occurred nos in addition to the transient tempers

time rise and alleft general disturbances. In three cases here so the varian revuled d e to produced treatment and the use of a thin filter. In e case a credate formed in the culde-sac, and in two others severe inflammatio of the rectal moroam resulted from try intense eyesters. The withor considers the treatment of hermorphagic met opathies and menorchagas with mesothorium as superior t the 'n my treatment. F. the treatment of myoma is he advises a combined method of treatment.

Frankel Th Action of the So-Called Gas Bacilion pointh Femal Genitalia (Über de Wirkung des sogen. Gabacilius auf den weiblichen Genitalapparat) Klas-derses. II denschr. 9 3 xx 43;

By Zentralbil f d. ges Gynak, u. Geburtak. d Grenzgeb.

The principal actio of the gas bacillus is it inratio of the deep lymph spares. The development of gas separates the muscle fascettla consings their accrusis. The utner formed the gas bacillus in Bot the cases i verificated by him, but states that their ascrebible cognames may prode or similar reuits. The prosposi in all cases of physiogenera is bad, ever ut in utners a removed. Much more favorable cases of tympania ten, produced by an lavasio of the annibule cavity. A curs is effect ed frequently by reports of the membranes show. The dark bounce and blue cymotic discoloration of the skin seen in cases of physiometra was absent in the the second case.

Serious results were observed only when bacillientered deeper the spaces. Removal of placental reas suffices in the superficial infection of the neasurface if the term, even if bacilli enter the blood scream. The thor is not certain that the mail eaches occurring the variently must membra

pregnant omen (colpobyperplan cyrica (Nucchel) precumators cyricides vugnalis) are due t the guarantees of the color of the case, b that no opportunity t make cultures. The grat cell like structures described by Chiarl ere also found by him in the liner will.

Selia Coutribution to th Study of the Localization of Micro-Origanisms in Experimental Septicamia (Contribute allo study of the localizaneal gravial dei microorpaneal nells settlemic spermentals) Ass. Also Study (Sect., 9.3, KEV 505.
By Zeatabli I di pa. Gynak a Cebertal. 4. Gregoria

The ther classifies the different results of pathological and anatonical investigations of the inches patholic in women who died of acute infections, as scaled lever measles, typhoid acutserior and the second of the control of the control of the second of the control of the control of the second of the control of the con t bes never showed any lesions. The bacilli of the carbucide were found in the uterus, tubes and ovaries in the latter organs especially in the germi nal sone. Staphylococid were found only sceptonally in the terms of in the ovaries. It was never possible to obtain metastases of staphylococid in the tubes.

Kroemer The Action of Mesothorium upon Genital Tumors (Mesothorium-Escubrumg of genitale Arabidangen) Deubole Geselleh f Gyadd Liebe, g. p. May

By Zentrafol, f. d. ges Gystik, a. Geborteb. d Grenneb. Eroemer reports twenty-two cases, most of which were inoperable tumors, which he treated with mesothorium and with deep applications of the X-rays. Simultaneously the treatment was a gmented alth the use of Thorium \. Although the results ere less satisfactory in far advanced metastatic, ovarian and I tostinal cancers, nine cases of cervical cancer which era deemed nonerable moreved so m ch that the uterus regained its movability in seven cases and radical removal was accomplished I one instance radical operation could not be undertaken on account of a sentic endocarditis following abor tion. Similarly good results were obtained in two cases of corpus currenoms, one with vaginal metastases also in one case of rodent ulcer of the vulva. In the last case spontaneous cure could have been waited had not coincident preritos valva demanded amputation. The patient was of the type in which hypersusceptibility t menotherium exists and who consider the little capsule as a veritable The extirmated inguinal glands fire repeale show morbid inditration with migratory and pleams

cells, but no cardinoms cells In all operated cases the included acar as treated with mosothorium for the to three hours day during convalencence. An injury to the healthy theres was not observed learniers crythema and vesicle formation on the skin receded monediately with him th paste. The quantity of the rays administered varied. In cervis cauvers the dosage was 3000-7000 mg hours of mesothorium g mented by several sures of \-rays which were given every ten to eleves days to on H. The patients t the same time were given thorium X per os in dosage of oo a. E. For the local treat ment thorium X (500- 000 c. Ei as given in the form of outment tampons and compresses. It was also employed in queous sol tion for bypodermit I fection in three cases of pixoliciar remot. All minum of alliver capacies or used as filters. The results or always controlled on the later entiparted organs and once to stoppe findings. An absol to cure of the cancer as only obtained to. C. Glandiar metastases were least indiscussed and of the primary tumon, those which special toward the varian and errains surface. Deep diving cercinomatoms these could be demonstrated in most organs.

Although the result obtained is much behind the expectations, the arthor nevertheless believes that the treatment if the mesotherium and thorium Namplemented with the Versy, adds much to complet carchinoma therapy. It promises persuased tree in all vertural cancers of the cervity, vegina and vulva. It adds the operative therapy in one and the service is all vertural cancers are to said the entire that the absorption of the product of the

Falgewiki The Operative Transment of Old Inflirections (Zor operatives Behandlung alter Insliter). Describe Gerchek f. Gyold Halle, p. 1. May By Zestrabli f. d. gra. Gyont. u. Gebortali. d. Gercagol.

by Leerschi et gre Lyrah, a. Gebrain. G Gerapse.
Feligevali considers the ponetrining of infliteGens derugh der vegtas wich dräunge soc stevarmidicate, as thereugh draunge is best obtained or
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oil. This is reserved several times. The procedure requires fount three to fire weeks and the exidate disappears with the correction of the terth position. In older once the atera may be removed entirely. The uthor cared fear uses in this manner. The operation is without danger as all work can usually be done attra-periodically. I place to other organs are always presented. The disturbances in the uthory and merono proteins are identical to orthly inflorenced.

OBSTETRICS

PREGNANCY AND ITS COMPLICATIONS

Hauser Quadrupl ts and Their M there (tseffinge and Veringsmatter) Manches and Il'chache 9 3, ix. 6

By Zentralbi i d gea. Gyank Gebertah. a. d Grencech.

A no-per-old quintipars ga birt to living cultivales in th. 8th to polt week of preparing. The bibses died within the first as hour. They were precicially of equal size. Exemination I the placents revealed the fact that it was case of t pairs of terms with three placentar. The one pair came from two eggs, the other from ne egg with more mained. The other from one eggs with problement that merit explain the position of the production of the placents o

The mothers of quadruplets are, on a verage, older than the mothers of triplets, and the latter

older than those of twins

older than those of twins.

The number of primipars giving birth to more than one child decreases with the increase in umber of children of pregnancy

3 Th mothers of quadruplets re nearly all multipars (VI parse or even more) th mothers of triplets and twim are sho multipars (II t \ \-parse)

Fith A Further Contribution on the Displacement of the Cacrum During Pregnancy (Webers Beuttgs and Verschabung des Gerams watered der Schwangerschaf) Denkole Geschick, f Großt Halfe, 9,5 May

By Zentralbi. I d. ges Gynak u. Gebortab a d. Grenneb.

In five mostler preparat woman who had over the day trends on the alconear region, Rith found the occum, the scheme and the concentum gived: the powerfor wall of the uterms and containing an bocres in which the poendix could not be found The bocres was there to four fingers breath above, and lateral; the satterior superior spice. It was possible to being down the occum without trartfor

i the fine foun and fix it there. The trouble probably commenced with adhasions between ad next and appendix, and the occum wits drawn slong with the ppendix. There were no compension normalies of the ligaments or mestatery of the

cream or ascending colon.

The author' observation has been corroborated by Korn, Babler Schmitt and Cook, as well by the anatomical preparations of Hahn. A very valuable corroboration is fixed by the syedies of oscum mobile and particularly by the fact brought out by Dreyer at autopiest that 17 per cent f all women possess as abnormally mornible execum, whose mornbility settends downward to the small pevids as:

well as upward to the edge of the fire. In spite of all this the author does not consider the question of displaced escum during prepancy as definitely settled and a not surprised that Renvall was unable to demonstrat marked displacement of the occum in two women operated on during the sixth month of perguancy.

Jachke Diesesse of the Kidneys During Prognancy in Women Suffering from Heart Dieses (Wiersenfunkungen der Schwapperdanberstranter Feruen) Devicele Gesellick f Gynek Halle o k May

Halle, 9 5, May
By Zentrahl, f. d. gen. Gynak. n. Gebertah. s. d. Gronzpeb.

Normal pregnancy and especially labor put considerabl demands on the heart which may be dangerons. Although this hardly holds good for valvular lesions it does pertain to diseases of the my ocardium occurring either alone with velvoler lesions. Accordingly t is evident that presuance complicated with heart and kidney disease is very dangerous This applies ally to such renal diseases as cause an increase in the work of the heart moreles i.e., hypertony which is clinically swideposed by hypertrophy of the left chamber and finelly by hypertrophy of the entire heart. The cut pregnancy kidney is not of any importance Even if it is accompanied by slight increase in the blood pressure, the latter may easily be combated by dietetic measures. In the chronic pregnancy kidney th blood pressure is markedly higher (170-Sc) and the work of the heart is increased. by proper treatment the blood pressure can be kent within moderat limits. The occurrence of eclampsia is dangerous because it severely strains the heart. The highest demands are not o the heart by the so-called chronic nephritis in graviduate. It is impossible to distinguish the latter from the chronic pregnancy kidney. The high and per sistent increase in blood pressure up t 150 or more which is uninfluenced by treatment, explains why well heart, and almost always a occanomily. discused heart, succumbs. The only help lies in removing the increased demands placed upon th heart by interrupting the pregnancy

Jaschke Kidney and Pregnancy (Niere u. Schwasgendalt) Deutsche Geselisch f Gyeth Halle, 9 3 lisy

Blay
By Zentralbil (, d pas. Gypath. u. Geburtah d. Grenzgeb

The relationship between high blood pressure and low urine and chlorine elimination, suggested by Zangemeister is very milesading. In the first place it is more complicated than he believes, and secondly the decrease! I the amount of urine and chlorides is d t the increased perspiration. Polyania is jutasily possible this high blood-pressure as a oligona. The motian of thioride eliminated is dependent on the amount of consimption of the 5-olicut 1 case as the bidney of pergnanty be explained on the ground f nereased capa by of caution.

Schmidt II art d kidney Affection During Pregnancy fler und N resk inkbeuen in der Schwanershill) Degleik Gesel & l'Gradk Halle

by Zenitzbi 14 m. Cynk. Indontub. d Geregeb.

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Broecket Kidney Disease and Pregnaticy Newsericant sound who manched) District Gradule of Gyade Halla, 3 Ma.
By Zentrabi (diges toyouk Geburah di Grenneth.

The thor desires t mak three pot ts. First that the kalners marketeney in pregnancy is becoming more and more onlosing especially ben only

the utinary findl gr are considered. At best, the utinary findings are only relative the condition of heart and blood pressure are the deviding point. See not a tabertulous kidney abould be removed du ag pregnance's seef less at vother time. The pregnance ill not be compromised on that account, about the control of the compromised on that account.

d the old they that serious additional strains would be the on the ladder is shartered by set a systemeter. Women with one bealthy lides at all perge or suppressive all. Third, the thor believes that the pressure of pregnancy in the street, a recurrence of a pressive is in originally care from the model. In the horse on the street of th

F they Kidney I neited I Prean ney and in the T mentils of Preference (they Neithall toom of the merchal mid to be preschaftoricine). Dut he Gentleh I most Halle, 19 3,

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Eckeit The Function of th Kid ey of Pregnancy and th Eclamptic Kidney (Ober de Puzkion der Sch angerschafte und Eklampsendere) Destacks Gesellach (Great Halle, 9 3 M)

By Zentralbi (d gras 6 mal. techurteh d Germageh.

Having performed vperim is in metabollim the suthor comes at the following considering. The foction f the before healthy pregna two men regard t atter with metabourd and N-chin limition in equal t that of no pregnant a some fine the superior of the superior control of t

The lattery of pregnancy and the celampia kidney has the identical anomals on function. Compara tive studies of the bilood-pressure ordens and disturbance of the function, if the kidney led the thore to the caclasion that the kidney is pregnancy is the expression of direct paracelevismatous disturbance brought bout by it in his the circulation.

Holzbach The Kid ey in Pregnancy and Naphritis in Gra (ditar (Une Ch. angers haftmarer and Arphitis in Fra ichtet.) Desixés Gerellack f Greek Halle 9 (1 H.)

By Zenniki i d goi Oyani. Golorub d Cresuph. Hisho i thinks the term Led yo of perganere is anatomically unjustishile, for degree-rative and inflammatory processes blend i ne another in the nationaxil as eff as in the cluical part. If surgiest careful at by feath case, in order to determine whether multicrosey of the kidner official so that the control of the cont

M yer Pyelitis and Its Relation to Pregnancy (Uber Pyelitis and thre Besselvengers see Sch anger schaft) Denixle Gesellich f Gjudd Halle, 0 3, May

By Zenials [d ges Grask a Ochertah. a.d. Geosgeb Dregunary is not the cause if prelitis, but predis poses t. it. Mass care of sprints are descending infections. Organizate enter of prelitis are descending infections. Organizate enter of the billion or lymph attent and by par foot may be a tecently described in impatic connection between the cold and the right pelvis probably even in [the occurrence of infection by x y of site lymph stream and explains the greater frequency of right seld prelitis though normal bowel @ do not yen inti the ormal loved wall, abdominal flux may very easily presents a changed loved wall. Not us in frequently preceded by acute gastric disturbances with hanged restinal flux. The servloid behavior also indicates an £ creased virole ce { the bo el organisma. Appendicibli deserves particular consideration in the citology f pyellitis. Pyellitis frequently leads it early interruption of pegasacy. The child although it term, is frequently nelved and properly and the differentiated, expectally properly and the many property and the properly and

I the puerperlum, although there to numerous eoptions, ad genetal infection may foll w Duri g pregnancy syndiats must be differentiated, especially from opendicitis, occasionally from peril its puerperal infection du t criminal abortion, acut espart ry diseases, and genital hemorrhages.

Opita Pyelitis Gravidarum (Nene Belitzige zur Pyelitis gravidarum) Destache Gesellich f. G. nek., Halle 0 3. May By Zentrall, i.d. gra. Gynak. u. Gebertah. d. Grenngeb

thor reports on the systematic examina tions of bladder and kidney urine in 160 cases of pregnant women. Bacteria were found in Imost of the cases but a pyuria was present i aly /s of them B col sthe organism most free ently found Besides this most extraordinary varieties of remisure were isolated, even the yeast fungus being present in som cases. I the 60 nomen, twelve had definit pychtls I ddit on there were four cases of pyclitis observed during the early mights of pregnancy. As there were cases! hich the Lidney urine as sterile | the presence | coatitis d to the usual nuclitis occupiams, the tho concludes that an ascending injectio of the pelvis ca ha div Th author does not deny the be q estioned possibility of lymphatic niectio of the renal pelvis but does or believe t occurs commonly in new of the f ct that systoscopic examinations ha proven that ascending miccuo of th ureter occurs much more readily duri g pregnancy

Kroemer Etiology and Treatment of Pyelitis Gravidarum (Aur Auslogie und Behandlung der Pychik pravidarum). Deniche Genfielt if Gyell Halle, 9. Alay By Zenezable i d. gra. Gyesk. u. Geburtah a. d. Grenzgeb

the at other times.

knower, from thirty eight case of prelifits, thirty nor of which were pregnant retires to the following conclusions (1) Prohibits micross instances is long drawn our disease with merous instances is long drawn our disease with contract the contract of the contract rence. It trequently follow intections the cases, gastro-meterials, colitis, thromeopolithistly, arthoritis and sangias. (1) Pregnancy prediproser recurrence as it may cause obstances in one prediproser recurrence as it may cause obstances in one of the contract manufesting likely in the contract the contract manufesting likely

be considered as due to manifest kidner lesion of surgical treatment would serm advisable (3). The possibility of t bereadous affection of the kidner pel us must be considered in each case (6). Compensati absomaties of the urreture and kidners floating kidner or stricture of the urrete due to obliterating urrethritis, must be considered.

Weibel Serological nd (Glinical Phenomena in the Prelition of Pregnancy 1 Austroders in the hi ternal nd Portal Blood 1 Cases of Prelition of Pregnancy (Scrologisches and Khunsanther Schwangerschafuspystith. Über Antikoperin mutatelliem und (dasien Birta be Schwanger Prennanch (4 gm Cymit us Geborthe d'Orenagel.

Bacteriological invertigations of the blood in cases of pyclitic, even in highly febrile cases have always given negative results. The aggl tin reaction in positive colon bacallus infection has been almost always negative. Weibel, therefore, demonstrated in eight cases I colon pyelitis of pregnancy the presence of haptins of the third order (Forder-Gengou antibodles of the amboceptic type) using the complement fixation method. In all cases except one there were definite antibodies against the autogenous backlina. in several cases antibodies in lesser quantity against foreign strains but never any antibodies against any strai in normal acrum. The investigations regarding bacilly found i the howel were not enforce. ever in cases not infected no autibodies ere produced against their own strain of bacilli in the bowel, and no immunity t their own flors. In all cases in which antibodies could be demonstrated in the mother they were present also in the child born of that mother the sers. I both usually become of the same type. Antibodies were found also in the amplotic fluid, but were much weaker I action. With the receding of the i faction drop in the immunity also occurs. In the serum of the inlant the antibodies disappeared sometimes very quickly t other times age of passive immenity

less quick! age of pessive immunity.
Withel reports one case of particular laterest since spontaneous recovery occurred duting pregnancy without any treatment characterized by daspperame? I the antibodies from the blood with sterile trates in the peir's of the kildney and bladder at the time of labor.

Norak and Strisower Concerning Peculiar Form of Circumtria in Frejamory and Its Relation to Diabeth Mellitus (Ober one beamders Form von Glybosaria and der Garvichta und ihm Bashingen som ochten Djabeta) Destries Ge-

milità | Ginch., p. 3.11 y Bi Sara, Orner & Ossi.

The examination of fourtees case of spontaneous apropanacy conducted under known diets, led the thora to conclude that the alycomea is prepanacy to insually entirely of renal origin. Sugar metabolism may be disturbed in Individual cases, but overenditiveness of the Lidneys for sugar is usually to blame. In the last cases combastion of the trow sus noted. Real diabette gives very

poor prognosis two cases in the last year in West takin a ching thed in come. The normal content of sugar in the blood, failure of the clinical attributes of diabets on the besign course distinguish the two forms. Careful clinical observation is necessary it distinguish the combined form. Bydramoies and intra-ateral fortal death are characteristics of real diabetes.

Shoemaker Acut Membranous Veginitis i Pregnancy Du to Enterococcus. Press 11 J 9 3 FM; 705 By Serg Gynec & Obst.

Shoemaker cates two cases in which the enterococ cus was the exceting cause of severe vaginitis which

began in the eighth month i pregnancy

The symptoms were an extremely patient condition of the voirs and regime with severe broadge and tiching. The patient was mable to sleep and had to stin to chair day and night. The voirs was swillen and the alm and mucous membranes reddened. A thick yellow has ducharge was present if the non-adherent yellow susseen; I wan wagnas the size of spoon how! The organisms! of the first case were dislococci, or extraoped, with in the second case the surreprocept symbylococci va-

dium elbacans and fungus of thrush were associated.

Treatment to osciention of permanguants of potsastrum was used as daily vaginal doorde, while the vulva and surfaces of the vagina were painted daily with a filterion per cent solution of anyroi. Both capes recovered within three weeks.

EDGENIS CARY

Sellbeim A Case of Ruprars of the Uterus During Prefusincy (Lis Pall von Unresponsence in der Schwingerschaft) Destrike Gestlick J. Guell-Halle, 9 J. May By Zentrabl I'd ges Gyath a Geborals d Greusgeb

Th tearing of th uterine will in a year old omain, secondary in much have begin in the first two months of premancy for at that time she had had severe abdominal pain and internal hiemorrhage. The movements of the child ware no longer felt after the sweight mouth, and five weeks later mentions than act to The momens coursed every from weeks.

thereafter. Examination of the uterus excitoric extends from the control of the old star was plainly which in the reason of the control of the control of the terios will where the placents and been located, thus allowing the vanue of the terior of the placents and been located, thus allowing the vanue of the control of

Bannister: A Case of Extensive Rupture of the Utsro-Yeginal Junction with Escape of the Placenta into the Pariformi Civity: Proc. Ray Sec. Mad. 9. 1, Obst. & Gymc. Sect., 37

By Serg, Greec & Obst
The patient, 35 years of age and pregnant for the
tenth time, had had nine forceps delivertes. After

she had bee in the second stage of labor ith right occipito-posterior presentation, the physician police forceps, rot ted the head ad delivered still-born child Tu bours later as th placents had not been deli ered, ad as al ght hemorrhage was persisting, manual delivery of the secundines was attempted but the hand passed easily 1 t the abdominal cavi-The certain was lacerated and there as a large tear in the posterior vaginal vault. On opening the filled with abdomen the pentoneal cavity blood and the placentala | front of the left Lidney The rent ext aded laterall ver both utero sacral folds for the pararectal pouch on either ald hile below it reached the lo est limit of the pou h of Douglas.

As the case had been delivered noter insaminary conditions in the bone total in secretarium was performed and both vaginal and beforminal destage as used. While the chology of this rupture abovance it sould popure it has been spontaneous as the physican used only very slight force in turning the occipient asteriority. C.D. Il forums.

Barrillo Pregnancy and Labor Complicated by Ovarian Cyste (Zur Jrags det Sic anomalist und Geborskompliation durch Oscieleytsons mit Boschreibung coss 1926 on reports spottener cytionatis oradi sub part) Het Resistant 9 3.

by Zestrablif d ges Oyaak a Geborah d Greazgeb

According to the storage of the Berlin Gymen

According t the st tastics of the Berlin Gynecological Clinic five cases of oversan cyst occurred i 7.83 labors erording t the University Lying ! Hospital of St Petersburg to casts 803 labors Fehling says these are caused by placement and ferson in the overis t has and according to the writer nother cause is the frequent interruption of pregna y by ovarian tumors tording t herron, rupture occurs in 4 per cent f tases of pregnancy according t Williams 1 14 per cent of cases of pregnancy and in 8 per cent of cases of labor. The causes of rupture are suppura tion, axial of to pressure by the enlarging uterus. softening of the cyst wall trauma, abortio forcens. and at times the ction of labor pains. The prog notes depends on the nature of the cast contents. recovery being the rule where this is serous, and

hes it is not pertonnis and death. At to bether an operation about he performed during pregnancy or during labor the thor clines in the control of the performance of the control personnel. It is only then indicated if dense debelow raise between tumor and steren. If the operation of the course of the control of the cont

mo ths. The various operation (Dürhasen) has a alightly lower maternal mortality that the abdom intol operation however the number i interropted pregnancies and the sacrifice of children is much larger. It is folicitted in small movable cycls with out adhesions. A list of literary references is given.

Beck Multipl Scierosis, Pregnancy and Labor (Multiple Silerose Schwangenchaft und Geburt) Desische Zische f Verenkelle., 9 3 zl. i. 7 By Zentralb. f d ges. Oyraki. u. Geburtsh. s. d. Grenzgels.

Of the forty female multiple adress! patterns texted in To bingen, sixten, or 4 per cent tributed the ones of their disease 1 pregnancy and labor 1 eight cases the disease commenced during pregnancy us four immediately following the birth (the child, and in four independently of pregnancy and labor. In seven cases the disease become agravated during greynancy and 1 seven shortly sitter delivery 1 one case the onest occurred during the first pregnancy became agravated in 11 during the first pregnancy became agravated in 11 abortly sitter delivery 1 to a second case the adversal became on agravated during pregnancy that these pentils abortly on was induced followed by immediate improvements abspectively and objectively

The interruption of pregnancy did not act as training in these cases, contrary to the rice of Edge bence only the strain incident; labor can be starn it comblemation as the crediting force in the onset or in the course of the discuss. On the contrary it ppears that pregnancy conducted by Officered as a supernous relaxational force productly as of much preserve significance than labor and the preservant. Practically the prevention or interruption of pregnancy may be required in cases of multiple acteroids, but definite rules at present must be formulated.

Cook laire Sorgical Treatment / Hermor rhages Du t Separation of the Normally and Abnormally Situated Piscents (Traitment champiol des Bénoragies par décollement de piscent tornalement et vicinament lesis) / J. Auguferser o t till. v.

former o 1 zil, 14 By Zentralbi, L.d. gen. Gynak u. Geburtah a. d. Grennegeb.

The author presents returns of the trachings and methods of the French school. Under surpical treatment the wither adentated hysterectomy and system my in severe hemorrhages due to low implantation of the placent the author prefers will open an extra the membranes, insertion of a Champetier lag or Brant Hitch version to surpical native the service authorized for momentum and a constitutions of practice and the subtracting the cases brought in in raticular, after subtracting the cases brought in in raticular, and the subtracting the cases brought in in raticular, and the subtracting the cases which offer hindrance to immediate delivery as rigid every and infection, surpical treatment must be considered infection, surpical treatment must be considered.

Hysterectomy is preferred in infected or ampicious cases otherwise transperit neal Casaroan section. Vaginal and suprasymph seal section ar not employed

With normally implanted placents severe hemortusers rear. Tho author emphasises the part ref. feet-placental apopler? If there came also he feet is the observation method, if differer it the on is soft and distable. Otherwise the surplead method, the streetcomy of transpersioned section, are expected in the part of the properties of t

McDonald nd Krieger Bilateral d Multiple Ectople Pregnancy J 4 m M 4m 0 3 h; 760 By Surg Gyner & Obst. Bilateral and multiple ectopic pregnanc are clas-

alfied as follow

Bilateral ectopic pregnancy () Simultaneous
() different ges (1) ne ovarian, one t bal

T i t bal pregnancy () Simultaneous () different ges (3) in maon one ade and one fortus

the other It is difficult also yait discover whether cases if double ectoric pregnancy re-true twin pregnancies. Man uses high have been reported as t in preg nancies re cases i hich one gestation has been retained in t be not another has been deposited in th same t be. This cases hase been reported in high the tirst as retained bethopedion and second t bal pregnant or urred I the same t be Several other combinations also have been seen and t is therefore inflicult t at t bether the fortuses n t t bal pregnant are really twints not f the same goor bether the only repeated t bal preg nanc in which one conception has followed nother in the sam tube. Thurty nine ases has bee collected from the hierar re in shich the evidence tubal pregnancy as reasonabl sure that hathe foctuses wer either the same uze nd hare ter or were pourished by so gle placents or the careful history ga no other record of more tha one expressed that L. The Litter is not very accurat evidence but t is the best ailable. The authors then report 1 cases of their own

I the first case the patient as 34 years old ad had been suffering more or less for t months previous to operation. She had had several hemor thages but the last one as the most severe. On opening the bdomen large quantities of partly congulated and fluid blood ere found. The terus, ovenes and blood clot filled the pel us, and it as dificult t demonstrat the anatomical relations enlarged. The tumor masses on The terus both udes d both arres were removed. Five days after the operation the terus xpelled en masse the remains of the placental tunue and forten. One of the overies contained corpus I trum Both tubes were greatly enlarged and tained brownish-red material. Connected life each t be wa fortus One fthem as Il preserved while the

other seemed to have undergone an arrest of growth I the one farthest advanced finger nalls, the external car eyes and I ce could be made out. I the other the lower limbs ere ell formed but the trank and head as enclosed a connective terme capsule. The second patient was 8 years old. She did not suffer great deal. She had had continuous flow of brownish watery fluid since the last measured period. At operation the abdomen as found t contain only a small amount of free, blood-stained turbed field. The left t be as bound down by nea formed adhesions beneath the aigmost. It as the seat of ectops pregnancy. The right overy as macerated and bay behind the uterus and was bound down by dhemons in the pelvis. A second ectopic programmy th the fortus as found there The anet mical diagnosis in this case as as follo Double ectopic pergnancy. Chronic pelvic peritonitis. Decidual cells and chorionic villi abown by accisons from the alls of the sac of each take. Necrous of the decidual tusue, ad thrombons

M beam. The Disguests and Treatment of Extra Uterine Pregnancy and Report of Owe 100 Cantia ou Operati. Cures (De Dagoce und Thropse der Extrateme-me iditt, seglect M teningen ober en lakanisch berie en aber oo operati en Helungen. Throps degres 9 3.

EDWARD L CORNELL

B Lenting 1 of pre typical ceberule d Grosspale.

The other report 1 is cases treated defined the properties of the present of the control of the present of the control of

matak diseposis The treatment of extra-stering pregnancy is absol tely oper to en en in severe collapse. Muhsam operates by the lanarotomy rout and employ the various incresos only to suppurate of the hematocele. The abdominal carry is closed unless coming of blood necessat t t mpunade. The free blood the boomen is not remo. I during the laparot omy bu all patients are placed the Fowler positio and the removed a few day later by gl nal formson or punctur. Among the 45 cases the the lest uthor had mortality of 9-5 per wat as cases, so death occurred. Votaing new is mentroord to regard t after-treatment the remaining tube is not removed unless found diseased

F LAND FIRST

McCann A Frimary Ovarian Freenancy 1 the Fearth Month. Proc. Ry. Soc. Med., 1th vi. Obu & Oyacc. Set. 19. By Swg. Gyacc & Obat. In order to prove that pregnancy when advanced is ovaria 4 is necessary () that the correspondi g fallopian t be be int 't () that the overy the same sid he beent (3) that the fortal sac be connected with the terus by the teroovarian ligument (4) that una tessu be dis co erabl n several portions of the sa all The macroscopical ppearance d nat mical relations of this specimen seemed t mix t beyond loubt that this was true or no pregnance

cars old and had ne child The part t d good Men health c cars old struction was regular atil I b. o hen her periods ceased. Soo he began than severe t the left low belomen On My tacks of pain 20 0 2, she had I rge cysts: elli g the left lower quadrant extend g as high as th umbilious. On June the abdomen opened The tumor as found t be overa has terend connected with the ut rus h the ter warra bgament ad to the broad brament b the meso ri m. The left fallopsan t be as quit free from the t mor ad normal ppea ance The left ade fithe mass was cyatic hill the futus as the pper part and the right belong bnormal was found the

right prendages The specimen pro-ed the multilocular ovarian crist consisting of two local A septum separated these local from third vil huh tauced a fortus of about the fourth month th t placenta The upper surface of the call was vered ath layer of recent blood lot The w urface seen at the back of the specimen running bet een the locali and the fortal sa represe ted the line I diversion of the entire tumor. The tero-ovarian beament as directi nnected a th the fortal as eac mested of an outer abrous layer external t the ammot hning but here two prosition with the castic portio of the tumor ovarian timue was seen the microscopical sections. The relationship of the pedicle t the tumor and the fact that the utero-ovarian heament as directl onnected with thefeetalsa proved the speciment be an accombted example of overan pregnancy. A functionally active portion of the left overy must he a become impregnated, and the gro g or um evidently formed sa for median this attuation. The specimen for ther demonstrated the possibility that ovarian preg nancy may occu in an overy already the seat of cystic tumor C D HOLKEL

Wilson A Contribution t the Study of Ecfamp-sia as Tensmin of Possible Mammary Origin, Am. J. Obst. N. 1 o 3 km, By Sung Gysse. & Obst.

In this article Wilso carefully reviews the knowledge of parturient paresis of cattle and reports th cases of eclampala in women that have had treat ment directed t the breasts the assumption that the breasts ere the seat of the ethological texture. He compares the points of similarity between the bovine and human discuses, and concludes his very interesting article as follows

Parturient paresis as disease of the parturient

cow adoubtedly due to a powerful toxino in the blood having its origin in some perversion of the mammary secretion. The mammary theory of eclampsia is based

the nathological and chuical almost entirely similarity of the tw diseases.

t. There are however the foll ing important differences

a. Parturient paresis rarely attacks primiparous animals, while primiparity markedly preduposes t

b. Parturie t paresis occurs almost entirely post partum eclampula sho no especial predilection for this period

e Parturient paresis increases in frequency in direct ratio with increased po er in milk production. uch unding he been not sed in estampsia, d. Suga is an almost onst nt ingredient of the unne of part rient paresis but is rarely found in eclamptic urine

The mammary theory of eclampaia is probably merely specious. At the sam time it deserves careful ad thorough investigation and offers an attract ve held for at dy At least it may prove to be the explanation f the occurrence of a small

proportion of cases. e. 5 ch a investigation bould includ a. A careful pathological and clinical atudy of

part ment paretta. b. The determination of the toxic or non-toxic character of the colourum f ediamptica. c. The tentative trial, in properly selected cases

f eclampera. I the treatment by air or oxygen injection I the breasts, which I least has the un doubted advantage if being harmless. N SPROA HEART

Engelmann and Elpers Th Viscosity of the Blood in Echampsia and Other Discuses of the Fernal Organism (Über das Verhalten der Blot viscontat bri der Eklampsie sowie bei anderen Er kraakungen und Vernaderungen des efblichen Kor pers). Godds Rendschan 03 vil, 33 By Zentralbi. I d. gen. Gynak. n. Gebortah n. d. Grenngeb.

The determination of the viscosity of the blood was carried out with the apparatus of Hess. Accord ing t Hem, the accounty of the blood of healthy pon-pregnant women is 4. and ecording to Ochlecker 4.35. I pregnancy Engelmann and Elpers found t to verage 3.66 between the seventh and tenth months. It percentes the normal about ten days after labor. I eleven cases f eclampsia in which no treatment had been instit ted, the everage was 5 4 per cent increase.

A venesectio 1 550 ccm educed it 7 per cent. The venescrion as still more effective if followed by an infunon of 1 5 L of Ringer' solution which causes drop of 33 per cent After infusio alone the viscosity decreased 5 per cent. The authors at died the viscosity also I ther diseases. In severe hemorrhages due t abortion, myometa and tubal pregnancy the viscosity was decreased most decidedly

in prolonged hemorrhage du 1 fibroids (a.6) The usual loss of blood during labor had no influence. In six cases of placents previt the viscosity was reduced to 3,73 only the new born child, however showed and the six of the six of the laboration of the differential control of the six of the differential cases of the six of the six of the six of the cases of extra-oterior pregnancy it was always reduced to 3,73. Buckery:

Lichtenstein Further Experience with the Exports i Trestment of Echempeia (Wester Erlaimusgen oil der abvartenden Echempischandlung) Deutsch Geolitch i G. etc., Halle, o. g., Ma. By Zentzalb i d. ge. (Spain, a. Gebraich, d. Grenngeb

The nathor has again treated as cases by making vennesction and using Strongardf 1 treatment. The material mortality was 5.51 per creat the natu mortality 3 as 7.51 per creat the natu mortality 3 as per cent to 8 and 3 d per cent of visible infant. Of the cases before labor 4 per cent ere curred without interrupting the pregnancy. Seventy-four consecutive cases of eclampose ere curred intout death in 6 months.

If the cases are arraped according t the achime of Fromm and I reund then the expectant treat in that a higher postallity than the active treat ment this merely against, however, their early treatment in better than lat. It does not decide which recentered in the more feedfalls. The total number of deaths given the best criteries as it the recent of the second feedfalls are the second feedfall of the second feedfalls. The total number of deaths given the best criteries as it the retainment the death-early self-given by the byte days agree come of the cases are cured before delivery. In other words, there is no induction for active treatment in eclampsia to dit is to be bandoned in preference the expectant.

Kroemer Distinbance of Kisiney Function in Eclarapeta (Koreas der Vienerianisco del Liamece) Laurele Genilick f G ath Halle, 9 3, 11 7

By Zentralbi f d pas Gyank. Leburtas d Grennych. Kroemer reports on ystematic examinations of urine in echimpus with prodromal symptoms in pregnancy labor and puerperrum. Excluding the race case without albumin, there a found large mount of albumi and crats an tion t oligaria with high specific gravity and retention of chlorides. The latter is present in every case with ordered. The plotting of curve makes the prognous much easer and offers reliable hints for the treat ment. A sudden dropping of the curve shows threatened eclampus as well as recurrence during the paerperium By carefully watching this drop, Ememer was ble t combut the disturbances dur ing the puerperium by means of venesection ad the dministration of larger quantities of water. The typical cases a thout album and with normal N Cl excretion are the exceptio they fier no progress and are dapted t the Stroganoff method of treatment. Functional tests of eclampt kidners ith phenologiphothsicin confirmed the fact that

there was severe infury of the kidneys, since only so t as per cent of the rine robustance was executed in first t hours p to 5 per cent. In healthy personant women the quantity runs from 6 to 75 per cent. This test may possibly mak up the first in the deterministing functional artisty of the first forward of the strength of the str

Nacka: The Treatment of Eclampeia (Eklampeitherapie). Desirch Gendick f Gyell: Helle, 9 5, May

By Januaria I of gracinata a cobornia. I Occumpanto Dynamos alider withly in capard to the trained of celanguists. On this one hand is French, on the other Lichtenstein. The sumb himself had seventy-eline cases of echanguis, with mortality and of a per cent. His along m it deliver severe cases immediately less severe cases as soon an amount of urne, have probouged drowstones and amount of urne, have probouged drowstones and small rapid poles, as we're: Il asiaches no proposite importance: It he quantity of silvanist and to the number of convaluous. Due case of serveres charpant was delivered during the eighth month by means of weights Certaron section and recurrent plants of weights Certaron section and recurrent.

case bowerst as militer race made thinly. One note, however to dealers to implication is report to operative delivery analyty the stream of the properties of the stream o

Freund The Treetment of Echampela (Zer Ethampsechample) Destroke Geselisch f Gymth, Halle, 19. 3, May By Zentanh L.d. ges Gymth Gebernik. d. Grenzeb

by Zentanh Lid. gis Grakt. Gebrush. & Grouspel Bet een October o. and April. o. 3 de Gaser of echanguis sere tres ted expectantly (reconsection anarodes) at the high. Charlis in Leipnig. Four women died of echanguis four recovered during the sinth meetin of prepancy modern's became worse during 43 four of expectant treatment and the uterus was immediately eracusted by "wapad countering the considerably by this method especially." In reliand the during prepancy compared 1.7 per cent. early distribution of the considerably by the method especially. In reliand the during prepancy compared 1.7 per cent. early distribution of the considerably by the method of the considerably by the considera

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of fact t externil tack here then t term directed not he fithe m ter 1 erg sm is equired for the des I percent of the It I truct excepted it I men Drie Is taken the 1 om das ed i the milk adserves a sound the bill The imit t mention I adminitering is gedones of hium. VI it receive 6 t alr gm the ne been t gm le dem

For I rich in alcium milk, vello i ratios comit eye sot (d on solidar) i ael leed. Nar otica cannot be do per well the entire! Veneraction or substrict f blood! intra-ind ted on come tod the loss of calci m incident thereto. The success obtained with the modern method of treatment of tetany does not pecesitat the prevention of conception or the interruption of pregnancy James.

LABOR AND ITS COMPLICATIONS

Terzeghi Fever During Delivery; Obst tric Indications for Its Treatment (Febre in tra agho Unien the guidano is conduta del Postette) Arie

exter 9 J. xr. 70
By Zentralbi L d. ges. Gyssk. s. Gebortak, s. d. Geenageb.

The uther reports the case of primipara labor normal in every respect except that her temperature as 10 C and the hild was presented by the breach Aiter chall, delivery was firsted by sol of the forteen b. Aiter chall, delivery was firsted by sol of the forteen of the rost of the forteen of the constitution of the constituti

The thor counders the case one of fever due a interication. As differential point bet een infection and int recation, h. pl ers great atrees pon he pulse. A temperature of 35° be considers physiological on crownt of the sterine ctl ty Temperatur before rupture of the membranes is rare. It it drops immediately after the case is probabl one of at ascation, otherwise it must be conndered as an miection, especially if there has been operati nterference nuer ancertain asepara Int eleation fever is adication of runture of the membranes and spontaneous delivery whereas in infectio rapid delivery is industed. Injunes are to be orded as are also spension of the cervia and enigotom Versio after the membranes have repeured is contra-indicated ecount of da ser of rupt re of the terms the athor prefers per foration, en of the living child. High forceps is t he oxied The infant die frequently during the first few days, of umbalical intection or pneu-SOLOT

Etternin Pelvi Qutlet Tumors Hindrance in Child Birth (Uhrt Beckensengungstemeen ab Gebertalmeierna) Hal Runderber 9 3, 343 By Zentralbi I d ges G sak Gebartsk d Grennych

In the two reported cases spontaneous delivery was impossible, due to 1 mor in the brith-canal. I the first case the diagnosis of cardioma of the owary as made. The time as located in the paravagnoid teases in the all bet een the vagrous and extent in The clinical and intercoopcied are amount on abo ed t t be due t congressival amounts on the transmitted of the transmitted of the cardioma and the third down in the properties. The cardioma must hirely began here and after it had grow in size at slipped down int too pelvis. The tenton as removed per rest mad the child delivered with forceps.

Case proved t be submiscons fibroid of the posterior lip of the on nieri. The tumor was remo ed per vaginam and this child also as delivered ith forceps.

Ziegler: What Ca Be Accomplished lith the M thed of Deventer Müller for the Delivery of the Shoulders (Rus leated do Devent Millerhole Eatstellung der Schulterguriek) Behr z. Gebeute. G. ack.

Gehertal G adh. 0 3. lt. 7 By Zentralle f. d. gen Gyntik u Geburtah. d. Grenngeb.

The dva tages of the Deventer Muller method for the delivery of the shoulders are simplicity and rapidity of execution even for the inexpendenced. nd less danger of infection and injury to mother and child. The dradvantages connat in danger of severe injury to cervical spine naturally caused only by carelessness or by forced application of the managemen in severe d stocks. The greatest importance has not in the polication of the method for the debyery of the rms, but of the shoulders. If the arms are flexed they are delivered simultaneously with the shoulders. If they are extended the poer arms become so easily cressible that high traction on them will deliver them. Only hen they lie in the nape of the neck may delivery by this method become cry difficult or unpossible, \on Herff considers the expression of the child by an assistant as coernital t retain the flexed tutud of the arms nd bead

The author is able it report so case to date in which this method of the ray as used: the Braichaid, with only a per cent of inactures as compared to 8 per cent in a case delivered by the small methods. Detailed at tustes of material normals and mortidity as of its aftern mortality cannot be given at the price t time but the figures all speak is it vot of the Devrater Miller method

SCHAID.

Zangemeister: A Manuser for th Correction of Face Presentation (Handged an Univendlum der Geschtdage) Deutsche Geschich f. Gynth

Halle, 913, May By Zestraibl I d. grs Gynak Geburtsk a. d. Grencett.

The thor desires t present new maneuver for the correction of a face presentation. It is based on former methods yet in its combination possesses something individual and, hat is more important, serves to purpose in much sympler and protertive manner It is as follow. The hand corresponding t the fac (in ment laero anterior the left) is inserted ups rd alongside of the hin, the thumb is booked int the mouth and the ingers are last upo the thorax. The chin is pushed p and by the thumb and the tips I the four ingers force the thest toward the mother back hile the outer hand forces the buttocks t and the hild abdorsen. It will he seen that uth this mansuver the correction of the bod position as ell as the rotation of the head ca he carried out Ith tu hands, hereas another perso is necessary t carry out the Thorn connect ver In addition the hand is inserted int that side of the lower atomic segment which is stretched the les x

The other employed this maneuver in acries of cases. The correction was accomplanted enyeasily

That it is not always successful is due to conditions. As the occupat is considerably drawn out | primary face presentations and the position of the breech rather at bborn one there may be a recurrence of the fice present the after refrection case the correct on failed on account ot a fortal gotter d existing meningocele B t that was a case urely not adapted t errecti n The author does not deem it advisable t try the maneu er in every case if e present two b tunder erisin conditions he considers to en, ahable procedure for the benefit I mother and hild

Rizzoram Death D t R pture of (Escolusical Varices Occurring During Labor (Mone d una partoreint per rottura di anui embarre; Guera. RECTINES of SC MICH O S EXTV 30

By Zentralbi (d gen G nak Geburtah d Grenngrib

oma site was admitted in h me th of her lourth pregnancy the complained of burning the throat and of paraetheaus the hand the pipe ed dull d melancholy A les d ya before del ers hamorrhage of the guma occurred, nd ten lay later where hematements T da [ter labor ut | The prese I too as presentation thibs hildeen asph sizted ttempts t exact to sulted in foliare. The woman suffered sever I more tt Ls 1 hamatemnet of all tre tment died shortly aft ess and delivery

tops the hough sa as and a be It the K t normal use the third bo alarged The liver as t et l'eight 800 gms the spicen of the list courted act. Amberious rancose dilatations refound the nous ple us of the disophagus. \ large mount of black blood as found the st main and onsophages. The direct anne of de the as the harm rebase from the monthsered more BLEELEN

Langes F tal Intraperitonesi Hemorthage orring Labor Du t R pture f th Uterin Velta (Intrapentoneale) ribitions solva partum taloign on Veneziruntur des Literia) Zentraliil f G mak 3. covu 59
By Zentralbi f d ge C nak (seburtah d Gormaneb

This is the report f case of suptare of the utenne venus during labor in bipara 3 years old. The labor began six weeks before term. Sever pains acre suddenly felt in the abdomen bout fifteen hours later with sensatio of an I termal rupture. Seven hours fter the attack severe proops with loss of blood took place. When medical assistance reached the patura the bdomen was very tense and hard. The terms could not be dust notly outlined. The fortus as not plainly palpabl but the fortal heart could be heard. The patient was pale and the pulse was 90. A foot was brought down to accelerate isbor and the escaping ammotic field as free of blood, bymptoms of ternal kemorrhage existed with duliness in the lower left belominal region. An sploratory

punct to revealed the presence of clear blood. On immediately opening the abdominal cavity a large amount of blood was for nd free in the peritoneal cavity The blood was flowing I a thick stream from a perforation in the terine serosa which was the size of dime and located at about the level f the uterine os at the left lateral posterior border of the uterus. The child was dead. A supravaginal amputation of the terms was performed. The nat ent died two ho ra afterwards.

440

Besides severe anemia of all the organs nothing else was fou dat t pay A sound introduced into the perforation of the uterine serous entered an open blood year! P thological cha ges could not be recognized in this defect we aren. Serial sections show motore (large thin-walled varicose con losel satuated underneath the serosa. The vari ose enlargement plus the pressure caused by the labo must be considered the ethological f ctor of th runture.

Similar cases are reported a literatur à diffe ential diagnosis must be made from rupt re of the to a trust eet i estra-uterine pregnancy (combinated of an tra tenne ith an extra terine pregnan y or gra ldity in an accessory corn) premature det hment of inserted placents dirupture i blood vessels in the region of the wheen or near the terms. T enable one to recognize such cases the thor recommends paracentous with a tipe cannula. Drugs a serie

Reinhard Medical Tre traint for Weak Labor During Parturition (Zur medikamentigen Behandlong der Webensche abrend der Gebort) Dreinte and Il h with Drainis and II is the 0 3, rept, 747
By Emitable (d. p. Grennet

Experiments the coffee um nativo-sahe heum having failed t increase labor Reinhard used patentring which had no fleet in three ages a d caused lasting outra tions high ndangered the lif f the hild i three others. Pit glandol gave good results seventeen cases and fulled a three t cansed tetanus ten lasting piteen mi ntes in te cases Secule-dualy aut Golar given I done of 5 gm and eventually gl en repeatedly gave good

results in t elve cases and no in the cases. It ever aused t tanic contractions. The scarcity and a skness of labor is mainly affinenced, not the duration.

Vogelsberger Th Gal anization Treatment of th Uterus According t Bayer in Conj nction with Pitultri as Means for the Artificial Induction of Premature Labor and Labor (Term (Über Galvannationsbehandlung des Uteres each Bayer to Verbanding mit Patauten, als Mittel sur kunstlichen Einleutung rechtzeitiger und orzeitt-

per Gebert) Mal. Eli 0 3 II, 630 B Zentralbi I d ges Gynal u Geburtah, d Grenzgeb The author recommends relvanization of the

term in combination with putultrin for the artificial inductio of premature labor. The procedure was carried out in 3 cases. Any transportable battery is safficient. A current of 10-10 MA. Is recessary
A cathode, a sound-ske electrode, is introduced high
into the cervit. The node is in the shape of plate
into the cervit. The node is in the shape of plate
if the uterus and is moved until controction is
if the uterus and is moved until controction is
repeated. If we appatianeous contractions repeat in
10-10 minutes an iterral (two hours is allowed
to poss. It no opontaneous contractions are in during
the first section we must conclude that no exclusion
belonging to the shape of the plate in the control
in the plate of the shape of the plate is the shape
belonging the shape of the shape of the plate of the shape
and the shape of the shape of the shape of the plate of the shape of the sh

Pitultin in conjunction w in galvanization is not advased at the most as a contracto of the cervas occurred in three cases, similar: It is action without pit in intion. Therefore partiality about not be used until cervanal distantion of at least three images is person. In bortions the certar stress to completely efficient. Then with critical results from the progress is hastened considerably. For critical in progress is hastened considerably. For critical results of the progress of anticerouse of its permanent at lower and results of the progress of a material of the large size of the religious progressory. In the critical progressory is also only two three sections of the required. Powerful contractions set in spontaneously increased by pitutisia of the deep contraction.

Labut lasted it all lower in one case a lef days. The indication in more case was premature reputer of the membranes throut contractions following. There are no disadvantages it the given and the membrane in the premature of th

Kehrer Bulicutan come Symphysiotomy of Frank Die soloniaus Symph sotome en Frank) 4rck. 6 Gyalk 9 3 717 204 By Zenralb Ld gas Gyask a Gebartah d. Geompth.

By Jamibi Ld gas Gossi's a Gabarab d. Georgeth.

Kehrer reports an detail ere coast e sated in the
subcutaneous symphysicomy of Frank ad emphasizate the technique. As result of the operation,
the symphysia separates at 3 cm. T prevent
injury: the exercite tissue the subor at the feature
1 tends 1 divide the hymnestion and the crust
chotdids if the double edged him close t the bossfor distance of t. cm. on both acts. The advantages over behostectomy are also e all, the
prevention of migray 1 the blastders with conditions
to the complete the complete the complete the
prevention of callons formation with resulting contraction, permanent enlargement of the transverse
diameter of the petrus and firm cartisipations unonthe diameters of the operation of cartisipations unonthe diameters age as the transless of these
diameters of the petrus and firm cartisipations unon-

with a strending from the hematoms, which may prolong convoluence incidently? T prevent their formation Kehrer advises early rating of the partient. All general contracted and flat rachific prives (e. v over 6.8 cm.) in anterior as well as posterior positions, oblique or transverse positions with prospect cord or extremity and how presents the second of the contraction of the process of the property of the contraction of the property of the contraction of the contr

The operation is contradictioned in infection cases and where infection is impacted. It contrades upon the fields of the classical Casses from the case and where infection is impacted. It contrades upon the fields of the classical Casses from the case in the case of the case of the case of the classical case of the c

PURPERIUM AND ITS COMPLICATIONS

Jamiline and Kennedy Three Cases of Symmetrical Nectors of the Cortex of th Kidneys Associated with Pareprent Echampate and Suppression of Urin Learn, Lond 9 5 circuit 199

The authors give the chalcal hazories of their cases and describe the publicional hadings. The first patient showeth all the 'gaptons of eclampias acrept convalsions. The second patient had only one convalsion. All these were delivered prematurely and I only one case was a five child born.

only obtained in the characteristic has been health to spine. The kidneys, but he presented has merchan fall to spine. We have a promotion as merchan fall to solve two thinks of the centra, and in deprec corresponded t the suppression of the union. There was extensive thrombons of the central blood residual hach fill not extend beyond the margin of the faculties are and odd not involve the varieties arches.

acular arches C. II D

Rübenmen Glinical and Experimental Invertigations Generating the Action of Orytoxic Substances During the Pumperi in (Kanacherpartnesselle Cateonologia about de Withambre der Webanautei in der Nachpeluntperiolo). Jäs-

chen and Wichards 3 Iz, 6 7 By Zentralbi, f d ges Gynak Geberrah, d. Grenageb

The type of the contractions of the ottens and the influence of ony; to substances grow in motor function can be attoded very graphically during pregnancy and labor but no such investigations have been exercised out a yet during the perspersion. Rubannez has been specessful! deraining method for the determination of the motor function of the fresh purpersal uterns. According to him the poort partum movements of the uterus are in the form of contractions

On the basis of his studies with glandustrin, pituglandol and pitultrin he concludes that the post partum contractions are influenced powerfully by those substances, especially in tony of the organ. Contractions are obtained within four to at minutes following intramuscular | jection and within ten to thirty seconds following intravenous injection this also in those cases in which no contractions could be elicited by the usual methods. In six cases of severe ato y as well as in ten mild cases the hemorrhage was controlled with intravenous injection of glandmin alone The thor hopes that all intra-uterine manipulations will eventually be discarded in f vor I the use of hypophyseal extract on ecount of the danger of infection. It is possible also under normal conditions to decrease the physiological placental hemorrhage by giving an injection of extract of the hypophysis.

The other shows in a conclusive manner the val e of the prophylactic method in az cases of placente prievia and fourteen cases i classical Constream section I contraduction t pituitrin the action of secacornia occurs nly after twenty or thirty minutes and its maximum action is not at tained until no and one half hours after dministra tion. Similar or even inferio action are other ergot preparations. Ergot increases only the intensity of the contractions it does not shorten the pansesi mmediataly as does pituitil Hamorrhages occur during the interval and not during the contractions The author investigations, therefore prove that accacorni alone does not infinence

stonic hemorrheres.

Rossina Differential Diagnosis and Treatment of Puerperal Infection. Free If J o p. rvi 695. By Surg Gynec, & Obst.

Save.

The author emphasizes the desirability of exactly locating the puerperal infection. If some intra abdommal condition is strongly suspected, the other behaves an exploratory inciden should be made in order to palput the overum veine, etc.

Treatment The most important barrier against healthy patient in other words, a woman abould be under the care of physician from the beginning of pregnancy. The author condemns the use of the curette and removes retained placental thrue only when the terms is soft and haggy this be does carefully with the finger. H drains local abacesses and peritonitis cases early and keeps the patient in the sitting posture and out of doors all the time. ECCEPTE CAR

Schweitzer Prophylaxis of Puerperal Infection

(Zar Prophylane poerperaler Infektion) Dentache Genellach / Gyark, Halle, 9 3, May Zentralbi i d gen Gyark Geburtah a d. Grennych. By Zentralbi f d ges. Gyntk

In spit of all the precautions taken to prevent the occurrence of an external infection in the puerperal oman, there are, nevertheless, a fair number of

infectious cases (which an antogenous origin must be assumed. It occurs usually in those cases which during pregnancy had a pathological vaginal secre tion. The uthor advises a prolonged douche treat ment before labor in all women with such a secre tion. Lacric acid is used in 1/2 per cent solution. This inhibits the growth I cocci and most nathoeenic barteria. The cood after daily douches are gradually replaced by the normal flora I the vacina After dally douche for ten days the pathological secretion gradually returned to normal in oo per cent of the cases. So per cent of those barboring the streptococci became free of this organism. bacilli which replace the pathological germs are acid resisting and acid-producing organisms, which angment and continue the action of the lactic acid. Concentrated solutions of lacti acid and other antisentics only inface the secretian portion of the vastes and are not beneficial.

Among 1 500 women who remained in the clinic some time before delivery there was a morbidity per cent excluding those who had only a few douches (n douche dally for ten days being considered as necessary) the morbidity was 7 a per cent 7 s per cent in cases with normal varinal secretion and 30-40 per cent in cases with patholorical secretions. The author therefore attributes this reduction in morbidity to the beneficial action of the 14 per cent factor old douches, and advises its use as prophylactic in the latter days of pregnancy

Studdart Poerperal Installty Cheisel J., 9 3, zini, 89. By Serg., Gynec. & Obtl.

I this article Stoddart discusses instality occur ring in the prespertum but he believes that poer peral ineanity is misnomer. It is his belief that there is no complex of symptoms that would lead one to diagnose puerperal insanity if he did not know of the existence of a recent delivery. This kind of instally usually occurs in persons predistrated to mental disorder or may be caused by interication ? infection and he calls it intoxication o infection psychosis or acute confusional insanity tients who exually develop mania or melancholia are troubled with the constitutional psychosis, and heredity plays part in bout seventy per cent, In the treatment of septic cases arrom therapy is

used, but it seems to have little control over the mental condition. Breast feeding should be stopped and the milk dried up in all cases. Rest in bed, proper feeding, and narcotics for sleep are all DECEMBER EUGIPOR CAN

MISCELLANGOUS

The Relations of Affections of th Heart to Pregnancy Delivery od Puerperi m (Die Besichungen der Erkrankungen des Honeus et Schwangenschaft, Geburt und Wockenbett) Deutsche Schwarzenski, Grade, Halle of May
By Song Gynec, & Obet.

There is no proof for the teaching that the heart hypertrophics in normal pregnancy. The heart i

pregnancy ppears lighter than normal because of the relative increase in body i t. An increase in the volume of blood pregnancy has he lately been disproved. Blood pressure increases in the second half of pregnancy and can reach values above the limits of normal. I labor there occurs great variations pressure independe t of the ndi idual labor phuse. So the beart must be supposed t do increased ork in pregnancy and labor

let de tal murmurs occur o- t per 1 0 cases I the latter half of pregnancy due probably to the kink og of the pulmontry arters. Brads card or urs 20 per ent of Il post-partum cases

This is often ombined with resouratory in things. The factional bilt f the heart is the only imports i prognostic por t. Olde ideas of danger from heart diesase in pregnan and I hor must be abandoned. The combination occurs per ent t COPT LOI II TO AMORE 100 BACK aven a d d or 1 the inher of pregnances he Lonnil 200 Olds bigures, g 18 sper 1 muri bi mong beart if u ve ve try received discriberen tiper mit so dec mpc

per ent of all beart uses to free from to be of I turn fort rhate, and ton not bu teo m re mmon than beats. Onl arel les une ted i normal pregnanci nel labor i sturbono es of the hart the pourpulum Primai in labor on its part bortion

pregnant troug on up h ve of

affire or t of heart cases more of 14 normal

NE BOND Mtal COCN. especially langerou wa through a lone or باعط (of the (ra) w b the oal per is their ent of liberal at (en death 11 123 pleatens minus thus, opport t BIT CONTRACTOR A DES 234 أبط h use perbut paramonia cal l

cmph low of per teach as il sema, I rotale to pleanits percard in scoloso nurrow sort industrial

mp kim

sec pilars myo that degenerations Luman re especiall indiagre d'il pregnance illuster erest mut be dangers it labor heart cases & theran ept die in necessary for beart An priving no transform business or Cauca of hight becompensation should be to threord medically (primipara or if mult para ho ha is previous labors had no decompensation. If this not speedsh terruption of pregnant should tak an month of pregnant. Interruption is ffe. pla relies ed in myocanital degeneration high grade mi ral stenogra, or in sea comple ted by other dieases. Sterilization should be done it the me time but never t other times simple bec me of heart diseases. Operative labor should be done only present of decompressation Compression of the bd men fter birth is t be recommended. Marriage should be dyned against only hen de compensatio has occurred

Old primipara ith heart lessons re especially

and angered for as Sellherm showed, accommodation fter 4 years is ery slight. I omme agrees with Küstner that the after-hif of heart cases is shortened. Aneuresms often rupture labor Sudden death in pregnancy occasionally occurs lithout any new-long a rning. Fromme ta great stress on rhythm, and arml recommends Machensle overmeht atche tasus test. Medical tre-timent should never be tried too long cases that do not respond quickly give high mortality

Zoeppeltz Serum Diagnosi of Pregnancy (Scrodapposite der Schwanzerrichal) Deutsche Goodlich, !

6 at Halls. 1 Man B) Zentralbi f d ges Gynak. Gebeurah. d Grenrech. Viter many was thempt with Abderhalden dial sis method, the technique has now been so must red that the result i the last fifty cases at the Gott ngen clinic ere perfect spit f the fact that some of the cases ere arcinoma, pus cases, et. The error had been the preparatio of the placent. The thoriad ses aspur uta t equire the technique t Abderballi natit t ∌दो । carefull folio even step as the presembed.

Rébearem The Biological Diagnost of Frei nancy by the Aid of h Oreic and Dishvis Methods Fur buil em bra Duzpose der Schwarger echal m els der eptisch 31 borle und des Du comertainm Drainer to died f G set Halle,

11 } Di Zeona 14 dipri titula i Geberrali di Gerangelo.

ТЪ her made are of both of Abderhablen methods corresed in and presinfections, on must set be annually a ferrem in m bing the dual test 1 rate of pruntits d on trental budual a relation raintone name of pruratus trough pour befor the pace stul seram therapy h Let I en il Imposa the uthor got L ea turn ac ord g both methods. Three other ex rectddfren i

I rei her scoon in to or bliss proportion the degree of soluting up of he eclamptic serum I remain in emercial all rum be where got eak known four was har later proved to be estupe prega acres g DOMEST TREETING I cross of endoment 1 post burn in the optic method dat is, softic and be 1 I va reaction was akl pou T sec of ar mora and male blood at near t exitions ith the places f ma etail In every one fithe co-cases the thor result are ideal oil his obers tions check those of Abderbalden

Lichtenstel Abderhalden Drull ic Procedure (Uber da Dub serverfahren mach theirfalden) Deutsche Gesellich f G mit Halle ort May B Sarg Gypec & Obst.

The uthor examined 74 cases b the Abderhalden rea tion 40 pregnant and 34 others. Onl. once did non-pregnant oman giv positi test. Ascites ammotic and spasal finds gave negative tests Erlamptic serum with eclamptic and normal

placenta give very strong reactions. One case gave negative result, but the foctos had been dead for from three t four weeks, and the reaction does not I R. MILLER last that long

Schlimpert Experimental Research in th. Physi ology f the Hypophysis (Experimentelle Unter suchungen nur Physiologis der Hypophyse) Deutsche Gradisch. f Gyadk., Halle, 9, 3, 129. By Surg Gynec & Obst.

the rabbit a ear Examinations were made

according t Busemski method. In month of pregnancy could an increase of hypophysin be demonstrated. Hypophysin is only found in the posterior lobe. Extracts of other parts of the brain developmentally connected with hypophysis gave no reaction. By the method employed, the hypophysis was demonstrated in bovine embryos as carly as the tenth week in man from the sixth month on. In such experiments the action of hutamin, a product of patrefaction, must be ex rinded. T R. MILLER

Basset Clinical Experiences with Pirughandel (Kimische Erfahrungen mit Pumpiandol) Kliss, c. 1, 12, 457

By Zentralbi, f. d. gen G nak Geburtah a. d Gressageb.

In so cases, following the use of pitugiandol, weak pains were strengthened and terio contractions, hich had ceased, bega again. This took place three to ten min tes after injection, and us actio

lasted from two to tw and ne balf hours Usually the length f labo was very short. The danger f tetanus is less th petugiandol than with peturing. Pitugiandol can be given t primipara and multipara where there is bittle dilation if the cervix, and where th head is floating bove the brim of the pelvis, if the soft parts are not too rigid and the relationship between the mee of the head and the ease of the pelvis is normal. Cumulative ction and secondary weak ening of uterine contraction do not occur. Intreenous injections are dangerous. They can not be depended on t bring about an abortion, but after uterine contractions have begun, and in an incomplet abortion, they give good results. In three cases i full-term pregnancy, labor and delivery followed injectio of patuglandol.

Zanfrognini Organotherapeutic Valu of Adren alin in Freemancy (Organoterapea surrenomicollare in ontetricia) Ann de enter gener Malano o 3,

EVEV 247
By Zentralbi. I d ges Gyzak. Gebortab d Grenzgeb.

thor dies tilty cases in which there were good results following the treatment of severe cases I vomiting of pregnancy with dresulin sults depend the the quality f drenah used. The treatment is commenced a thit enty to thirty drops of adrenalin hydrochlonde day increasing the dose three to ten drops daily until improvement sets in. In very severe cases the dosage is increased to eighty one hundred drops daily. When the symptoms re-lemened and the conditio is im

proved, the dose is gradually decreased. duration of the entire treatment is twenty to thirty days. There have been no complications or serious after-effects o uterus or fortus following this treat ment, even in those very serious cases where four to five mr. of adrenalin were administered daily

Samon.

Trong.

The Valu f the Caput Succadaneum Zienk sa a Sign of "Vital Reaction" (Die Bedeutung der Kopigeschwilst als Zeichen der vitalen Reak Luridjakranie f pericht. Med., 0 3, alv Sappl No

Suppl. No. 5.
By Zentralbi L. d. ses. Gyndk. p. Gebortab. s. d. Greacgeb The author placed isolated leeches and between them Big: pumps and periodically exerted power ful suction on the entire surface if the body of a dead fortus in relert determine whether the caput could be formed in a dead fectus. These areas were then examined macro- and microscopically and resembled in every way the sections of the caput.

Modern Echolico, with Special Reference Koch to B-Imidazolythamin (Kritische Betrachtung sur Frage unserer modernen Webenmittel mit besomderer Beruckslehtbrung des B-Imidasolyli(hylamum)

Zentralid / G) self o 1 may d 504

By Zentralid (d gra. Gynal: Geburrah. d Grenngeb.

Roth finds betaimidasolylethylamin (histamin)

much like pituitrin. On injection of 📈 the portlo, pronounced labor-pains soon developed The hemorrhage would stop but in the course of to-as hours the uterus w uld again become inert and the hismorrhage so pronounced that second injection would be peressary A rapid involution of the uteres was brought

bout during puerperlum by giving 6 drops of a s 500 solution of the drug three times daily H treated thirty-three patients, twenty-five a men having injectious duri g labo (maximum dose mg) Secondary reactions are noticed in per cent of the cases. These ere headache parched mouth, pulpitation etc. The intertra uteri recurred in three cases, in two of which the at y became very pronounced, but the author has had similar experiences with pitmirin. He had three cases of intra-partum death in pituitrin medication, to of which were d to the stormy co tractions of the nterus.

Dessauer Pelvi Measurement by Mean of T Rays (Bettings zur rootgeschopischen Berkenmensong) Destribe Gesellsch f Gredt Halle, o 3 May By Zantrubl f d ges Gynak a Geburtsh a d Grenzgeh.

Dessa er and kehrer describe an apparatus with which they are able t tak measurements f any internal point o organs. They realized the inability t measure distances by one picture, even though all the different points are on the plate. They connected the focus of the tube and the tupictures taken, with two threads, which cross each

other The picture is taken from two different points, and the exact dutance can be read off by means of these threads. The pictures can be taken from any angle. The pparatus is adapted not only t taking peiric measurement, but also for deter mining the size of organs or the distance of any two points within the body. It is simple in construction.

Perrando The Significance of Mecanium in Dissections of the New born (Del mecania rispetto agil undura che ne sono desumibili nacroscopes del acunato) Reference med gra xxxx, g 5. By Zentralbi (d ges Gyask Geburen, a. d Grennech.

The meconium is doubtless of great importance in forensic post-mortem autopates. Its va cty may allow conclusions as t th age of the fortis stillborn children more or less meconrum is found in the ligger man. The color may be absolutely mpt) this being caused by direct pressure more often than by disease, by monstronties and juries of the entral pervois system. With trests of the atestines there is no met, arom in the lower portions of the intestines above the lower portions, it has a specific haracter and is of pathogonal importance for congenital stress of the bowels.

Maceration does not cause any particular changes in the meconium and its elements can be differentited up t the second and third stage. The meconium as quickly emptied, though not wahout exceptions, in forti the died few days after partontion BOLORE

Franz The Toxicity of the Urin During Pres-mancy Labor and Fuseperions (Uber du odisp-keit des Harnes an Schwagerschaft, Gebert und Wochenhatt) Dustale Gesellick f Cysek Halle

ro 4. May By Zentralbi f. d ges. Gyath u. Geburuh d Gracando

On the basis of numerous investigations the uthor concludes that the urise of healthy pregnant women is not more toruc than the uruse of non-pregnant women, and that a many cases the unite is more toxic during labor than during the poerpersum. During the presperium t is slightly more toxic than during pregnancy. The urine is highly toxic in toxicities of pregnancy and especially I crismpus. (orandas of pregnanc) Each and Zammer have lately 'outtreed these findings, although Each only occasionally noted drop in temperature due t the toxicity of the urine, whereas the thor beerved it quit frequently. The urine in fatal cases of eclampus is less toxic became of the retention of the toric substances, the result I injury to the kidneys or to an incomplete metabolism in which the albumin products are not spbt up com pletely T draw valuabl conclusions from this work the mine of the individual case must be examined repeatedly during pregnancy to determine the relative toxicity of that urine, and so become aware of dangers when they arise. The clinical picture must always he considered, ad especially the kidney function of the patient.

Fowler Lower Arm Type of Obstetric (Brachiel) Paralysis; Report of a Case. Interest, J Sure O S. ETT. Of. By Surg Gyone, & Obse

The case reported was that of girl three years old who had a paralysis lavolving the fore-arm. The condition had been present alone birth and had followed forefale traction on the arm by the midwille in attendance. The rachal head was found dislocated. The hand was flexed at the wrist with slight ulner deviation, the thumb was adducted and extended. There was hyperextension of the provimal phalanges the distal phalanges were flexed apon the proximal. Diagnosis responds spiral and alter

paralyses. The causes of this condition are several. The most common is tension on the nerve mote during deli ers. It may occur in either breech or verter cases. When the head is hyperextended the nerves are put on a stretch and traction may very castly

overstreach them.

The treatment should be surgical ad is pecessarily procedure of som magnitude. The general condition of the finld should be carefully enmidered before attempts gibs operation. Operations which may be performed are () Nerve implantation. () exemion of damaged nerve those followed by suture, and (3) plastic operations for co tracture deformation. f H Senas

Hinselmann The Origin of the Syncytial Lacu nu in Human Ova (Die Enischung der Syncy dellickenen Jemps menschlicher Enr) Destrie Geoffiche (Guelle, Eithe, 912, May By Zentralbi L.d. gen. Gynak Geburgh, a.d. Grenspel

Human vs. early is the second month, were serially sectioned (16 to 3). The problemating Langham cells penetrat int the decides basilis as anastomosog yncytial trabecides. In this ay the highly complex net ork of yacytial there The maternal there is these projections dies off as result of the chomotrypsin and the refuse as carried way by the blood and lymph Chromacribed parts of the avacytum may more sein the plasma and amutoti ucles division may be present. The meshes are then no longer in he plane, but are surrounded by a delicat yncytial set ork, but develop into caverns that are say rounded more or less by syncytial membrane

As soon as the human overs becomes implanted, this expertial system begins to develop. Then the tryptic cells of the mucous function and the refuse of the maternal tissue is carried ay by the blood and lymph streams thus the whole organies becomes silected.

Gersteeberg Remarks on Rotter' Method of Treating Contracted Pelvis (Benericange to

Heartich Rotters. Verfabers for Bathan court Beck. en "J. Zastrolk! f G) alk., o 3, terros, 402. By Zentralk! f d gas. Gyrath. s. Gebertsh. s. d. Gerangeb. The chisching off of a piece of the promoutory of a contracted peivle to the extent 1 1/2 t cm.

455

according t the method of Rotter Schmid is a rather serious procedure for static reasons. Gersten berr found in skeletonized pelves after operation an average increase of .85 and 72 cm. respectively for the sarittal measures of the lower surface of the fifth lumbar and the poer surface of the first sacral vertebre. During operations on fresh cadavers the uthor found contin ed and serious hemorrhages from the first sacral vertebra. The antenor longi tudinal Hyament is especially broad in this region and a considerable portio is left behind on both sides after the operation. The procedure lengthens the tru conjugate and also in certain sense, the trams erse diameter. In the deh ery the bead is not pushed far f rward by th decreased promontory and therefore, does not enter the pelvis through the more anteriorly attuated smaller transverse diameter as under ordinary conditions, but through The shortest the larger transverse diameter anterior posterior chameter now runs from the lower edge f the chuseled if portio f the promontory (middle of the first sacral vertebra) t the symphysis If the former true co fugate as seven centimeters, then the new conjugat is still so small that serious hindrance during labor is t be expected. Therefore, the operatio should not be performed in peives with a conjugata vera f less than 5.5 cm. It is of advantage only in connection ith induced WARNER premature labora.

Kriwsky Concerning Heborteotomy (Zm Frage on der Heborteotome) Hosenschr f Gebertik a. Gyselk., o 3, xxrvi., 415. By Zenralbi (d. ges. Gynak Geburtah. d. Grennech.

After a minute discussion of the views of different authors on hebotactomy its behavior after the division of the polis, the character of pelme union, permanent wideling and repetition of the procedure several times on the same person, the author presents his conclusion based o personal experience, on clausal hervations and literary data, sudding two histories. Hebotactomy does not represent

curreall for contracted pelves but takes a fixed pla amongst obstetrical operations. certain limits hebosteotomy is comparatively free of danger and the operation of choice in multipara slight degree f contracted privis. The conjugate vera should not be below 7 cm. 3. The expenences guined from case reports permit us to perform behosteotomy also in primipara even in an emergency if otherwise perf ration of the II ing child only could come in question and other methods of delivery as Casarran section cannot be employed. It is self-evident that in these cases the condition of the soft parts must be especially considered and that prophylacti measures, as Schuchardt paravaginal corsory incisio according to the proposition f Van de Velde, must be used. 4. The least damperous method is Doderdin a. 5. Labor must be immediately terminated by a cor responding obstetrical operation after behosteotomy. 6. The after treatment does not demand any special appliances, an early lateral position is to be recommended. 7 Unle of the separated bone takes place very soon, either a hony or connective tissue cicurity being formed. 8. A permanent widening of the pelvis by a lengthening of its dameter or by increase in claimly increase in claimly increase in claimly increased in claimly does not air place which represents a dandwantage of a behouteolomy. 6. The mode of delivery necessary in subsequent labors remain including the control of the co

Fracekel In estigations in Rejard to the So-Called Gland Endocrine Myrometrial (Untersochungs uber die sognannte Glande endocrine myrométriale) Arch f Gysaft 9 3, By Zentrall i d. gas. Gynak u. Gebertsh. a. d. Groureb

The autho was able to corroborat the findings f Ancel and Bouin in regard t the presence of the glande endocrine myométriale (gland with an internal secretion in the myometrium) The uthor' investigations were conducted o the uteri of pregnant gunes pigs. The structure consists of ests or strandlik cell groups within the inner circular muscle layer of the uterus in the neighbor bood I the placental ate. These cells, 5 t 37 µ in length, vary in form, being spindle shaped, three cornered or polygonal with granular protoplasm and no cell membrane. The round uclei are mostly small (to 6 p) and centrally located, without definite chromatic figures. These cells lie either singly in theme clefts. lymph spaces in larger groups between muscle fascicult. I the mucous membrane and in the outer longitudinal layer they are found aly rarely With the you Gleson stain they are sharply differentiated from the muscle

They have been found between the twenty first and twenty-suth days of pregnancy only, and then not constantly In regard t their histogenesis nothing definit can be stated. Morphologically they are different from the placental wandering and giant cells. Being confined t the placental area and the retro-placental muscular layer as well as occasionally t the decides, they have migrated from the placents to the syncitial wandering cells The vascular relation of these nests proves they are not of glandular nature. In contradasinction to other glands with internal secretion, capillaries are found only in small umbers between the cells. The functional significance of these cells is, therefore, still in doubt. SCHUYDLER.

fibres and connective tissue, the cells being dark

brown with the nuclei dark blue,

GENITO-URINARY SURGERY

KIDSEY AND URETER

Smith Blisteral Nephrolithiasis. K F H J 9 3, xxvii, 151. By Surg Gynec & Obst

The utbor states that he performed successfully seventeen bilateral nephrolithotomics in cases of bilateral nephrolithiasis, with the technique gl en be low The operations ere performed under introusoxide-oxygen-ether ananthesia, either in acquence or the three merged to meet the immediat ondi tions. He placed the patients laterally nearly prone on the table, and elevated the kidney area by Cunningham a attachment An increson is made in the lumbur region. The renal vessels were held by the fingers during the kidney incisio and subsequent manufulations drainage of the kidney was employed. The beamspheres were potentimated by three ligatures carried around the kidney and tied, leaving on sixture material in the Lidney substance, following the advice of Moore. The uthor believes that it is often deprable t incise the Lidney pelvis when the radiograph show stone in the pelvis only and the kidney is not otherwise discused. There wa no urinary fistula ben the Lidney was incised and drained.

and drained operation the patients are given Following objects of the large process and the second patients which and shoulders were elevated out be patients were given as bondaros of water by nouth with urtisary antiseptics. If assuris threat each the drain were removed temporarily bot packs spitiedt the entire body and bot formentations over the kidneys and direction was given bypodermatically. The uthor thanks that the calculf are probbly bilaterial is from rot to go per cont of cases, of if both kidneys harbor calcult, it is probably better to operat on both 1 one time of the former the

operat on both t one time, if the patient's condition, which must be determined during the course of operation. Ill warrant the additional operation. With the above mentioned methods, he is of the opinion that the mortality is encouragingly low and the ultimat results, measured in all and function, are in the great majority of cases most satisfactory. Rane

Arcelin Biliary Calculi Causing Errors in Renal Radiography (Las calculs biliares causes derress es radiographie résale). Lyan méd p 5, ccs., 20 By Journal de Chivagh.

Cases are frequently met in hich there are thought t be both urinary and blarry stoose, here in reality of the billary stoose are present. Area by every our believes that billary at nea give so shadow on the \nabla ray plate so if by chance billary store does show of the choical symptoms are such that there is some doubt concerning the diag nosis, and there is blood and albumin in the urise, diagnosis of urinary calculus is made.

an instance of unitary calculus is made.

Shadows of bilary calculi resemble closely those
of renal, and the differences are not clearly under
stood. Most radiographers and surgeous have never
seen or have never correctly interpreted plates
showing bilary calculi

Arrelia has collected t cases i bich ridgegraphs of the univary tract has elidosted from stars are il patients having univary symptoms. Adternation of ten faccieri calculi, polygonal in form, the properties of the polygonal in form, the star of the properties of the store same gravet to the order of the store same gravet to the contract of the store same gratude of the published of the properties of the published for the published or the properties of the published or the made. The public as an open store years and the published or the made. The public as not open store years and the published or the

Goulliond reported case in which there were stores cattaing shadows similar t those described hove the level of the twelfth rib. The appear ance of the shadows as like that of the shadow cast by une said store. An operation for read store as advised on account of the perdominating read symptomes. The person is a store of the person of the person of the person of the person of the perton large store was found in the remmon divided analy incred stores in the pall-bladder, which did not show in the redough.

I order t make radiography more counts, sock causes of error must be recognised and studied further J Drasova.

Isobo Experiments on the Influence of an Idjured Kidney upon the Other Kidney (Epotmontalies ther do Zurunkung eoor Indertea Mers of do Niere der anderen Sente). Hat a.d. Gesuph d Hol. Chie. o. verd v.

d. Med. Car 9 t. xxd. r.

By Zentralid I d ges Chr | Gremeth

The author occluded the blood vessels of one kidney in rabbits and dogs, extirating the other kidesy

after longer or aborter mitryal. The onest of

total necrosis of the occided kalony was followed by he recorption of decomposition products having totale flect on the other ladery as shown by eithebil despunation and more or less pronounced eithebil despunation and more or less pronounced for one t. two months when the necrodic klainy reduced t small calcade man produced no more tode substances. If the unfrary passages fouly one klainy er coolined or the occlusion of the laderation in the concentrary produced the and plantation in the concentrary produced the and enveloping with operation, hereby collateral difculation was established, ther occurred in the other Udeey nothing beyond questionable hypertrophy There was still some tord substance produced if the renal substance became necrotic suddenly and in drymmerided areas.

in extending he stodies t the fiver excising a part, convision; it with omenatum and implanting it in the abdominal cavity the wither found that when one kides was entity action to receive the two convisions was entity action to manifestatine and no special attention the kidney studie. He concludes that the kidney at earlies to specials, it as mixtance, which acts on the kidney. Offences,

Kocher The Operative Treatment of Floating Kid eya (Zur operativen Behandlung der Wander mere) Cor-M f. nabsen Arts, 9 3, zhn 545 By Zeatralbi f d. ger Chr. Grenngeb

The author describes a new method of nephropersy which he emply red in recent case. It consists in removing a strip from the fascal lats 8-no cm with and a can, long and saturing the middle: the capsule f the lower pole f the luthery and anchoning the row ends to the incida tembocardisis and immediate rails. This makes fascal sec int which it had per fits lift attent for stringshow Revexual responses to the contract of the con

Caulk The Etiology of Eldney Cysts. is a Say Philes, 9 3, lvn S40. By Surg Gynec & Obse.

The author prefaces his article by reporting a periodic case of read cyst du to an obstructive existences papilitis. It occurred in a man, if ry an years add, who complained of a drill aching paid to the preface of the complaint of the drilling paid to the theory the course of the netter to the services before the course of the netter to the services superpolic sorners, law backache, pain in right his, slight increased freeponcy of emantion and hematuria. The prostate was moderately enlarged a large dark-red bleeding verumentamins with the whole posterior methic congressed. Owing to these finding the author thought symptoms were of processing was relief and the subscriptions and the processing of the proc

shadow in the bony pelvis on right side probably a uniterial calculus. At operation the right kidney wasfound enlarged the low pol. If was opened and a cyst discovered filling ne of the pyramids. This was shelled out and the cavity cauterized. The kidney was closed at this interrupted sures, and the

patient recovered.

Caulk states that the main theories as I the cislogy of these cyats have been the retention theory the new formation theory the theory that coloised changes of the cytil had not connective them cells serve as an regio, the congenital theory the construction of the control of the conpetit are conserved as an experience of the conrectal toler on the control of the conrectal toler on the control of the conrectal toler on the control of the control of the control of the control of one of the branches of the remail sterr. The

ribor believes that the preval t sites that crists even of medium size cannot originat through obstruction of inflammatory origin, is erroneous, as

in his own case there was a definite inflammatory obstruction and fair sixed cyst.

The true tiology is obscure in most cases. Serous cysts are infrequent. In a 6 o topsies t Middle sex Hospital, Morris met with but five cases Israel found but one case in 207 sunded affections of the kidney That the malady is no f dult life has been shown by Simo who collected 52 cases and found only seven of them under the age of twenty We cannot associat renal cyst with any particular discess though many have reported such diseases as pneumonia, typhoid fever distentery gall-stones gout etc. as precursors. Pousson believes that diseases which produce nephritis may aid in the productio of kidney cysts. Of the drugs and polsons, corrosive sublimate, phosphorus, glycerine, aloin, vinylamin, etc., have been thought to be of etlological moment. Petterson and Tollens have tried, experimentally to produce cysts of the kidney but without success. Levaditi, working o mice, rabbuta, gul ca-pigs nd goats, has been ble to prod ca, by the subcutaneous injection of vinylamin. papillary necrosis and aderosis.

Scroots cysts may be single or multiple generally unlateral, situated either i the cortex or medulla, not they vary in size from that of a wal ut to that of child's head Rendu case of repail cyst con

tained ten litres f fold

The symptoms referable to likingy cysts way greatly. The small cysts crually pass unrecognized during iff and are found post-mortem, while in large nor the symptoms depend upon size, journing, presure effects, presence of infection and hemorrhage. Palls is present in but to per cent. If cases and when present is usually localized. Hieraturia is rare.

The distrated has related here made even in cysts of large size it has been confined with floating kidney (and it should be noted that the succitation of cysts with footing kidney has been observed in a window of the control of the confined of floating high properties, solid renal confined with the confined with the confined confined with the confined confined with the
For cysts of moderat sare the most natisfactory operation, as tillized by Tudier Bardeshrear El card, Recamer and Albarran, is excusion of the cyst. More as the spartal propherotomy when the cyst. is strated in one pole of the lidinary 1 very large cysts which have destroyed most of the kidner motiance, complete nepherocomy is drised. The collected statistics 1 (20cm), Lejans Albarran and Tudier abow 54 nepherocomies with 54 cures and no deaths.

Berner Th. Cystic Kydney; Studies Regarding Its Pathelogic Amstomy (Die Cystmolere, Studen aber fire pathologische Anstomie) Kristianis

Elg Verlag, o 1 By Zentralbi. f. d. ges Chir n. l. Grenegeb.

The the by means i serial sections graphic and plastic reconstruction, has studied i detail 28 cases of cysic kidney. I of which were congenital. The remaining it years those of addit up to 86 syvans old. If has found no points in f nor of Varcho pupillitus theory and has never found y signs of diammatory processes. The cx mulations of small chromatin-the cills which are found in the ort x as ell as in the medials, have been it butted it inflammatory processes by stary observers. The

ther boncerer believes that they are due to periatif prophosposons throw. The sudden formatio of small cythribial cyst i that two speaks for that f t. The thor considers them similar to normal solving refusion high architecture of the consideration of the consideration of the best of the consideration of the consideration of the bittle solving the consideration of the content of the consideration of the conlocation of the consideration of the conlocation of the consideration of the content of the consideration of the content of the

The fet that pol morphon clea rells have

never been found and there has never been observed any diffuse office; it issue formation state occurs all inflationations proceeds seems the inflationatory, reg. The type all location of these markes of road ells also speak for a pervision nature its found outspoolal allours the reminders.

of the kulney so that one a reminded of the neigh

ons zone of the embryonal kidney I accordant it his own theory Berner as ble also to demonstrat development I dururbances which at one time volve ne part I another other areas of the armary tract. The usual developmental error that could be demonstrated as the fact that the two plages from bich normal kidner de relops remain separated in the cystic Lidson. Thus is proven most rasil, the moisted Malperhan borbes from hich bileally reling pormal neary t bales are occasionally seen t project. In few of his cases collecting t bules were entirel beent E en though the literature the samet canals are f especitly spaken of as collecting t bules the thor calls it too t the surprising simils ty bet een the normal collecting t bule and the typical epithelial vesicle. If frequently observed collect g t bules th typical branching and the very irregular ppesrance

In the private of the kidney be was ble also the consults of everyoperund normales, for instance, the occasional perducance of the simple-layered flat eighthelms—thysual arrest. At other times the privations of tripical forms at large cystoc excities. The unter discusses them in detail I all ble cases he was able to demonstrate developmental mortalies. I fir more of them there ere algos which must be tributed to them there ere algos which must be tributed to them there ere algos which must be tributed to the other ere algos which must be tributed to the other ere algos which must be tributed to the other ere algos which must be tributed to the other ere algos which must be tributed to the other than the contract of the other than the

whether It is primary or secondary to the discuss discussed. Secondary epithelial proliferation is freque tly found following inflammatory condition, but these re beent I systle degeneration. I ma y cases the epithelial proliferation is clear ad definitely of primary or tumor nature. The arthor holds t the view that cystic degeneration has nothing t do a theret tion, that each cost is the result of a proliferation and in many cases may tak on haracteristics of adenoma. I other cases these hyperplastic characteristics re absent nd the pi ture is more that of developmental anomaly The developmental anomaly always percedes the epithelial problemation. The vitic kidney in other ord is ombination of developmental nomaly plus are to the 1 adjuidual cases one or the other factor may predominat

All crathelial ruphfer tion occurs in abnormal part of the kidney. The thor has never seen a pormall functional me secreting t bule or a part of wh hish was the focus from hich tumor-ble probler two organized. I regard t the occasionall or ord g carrilarinous plands i cretic laders. the thora view outsides ith that of Cohabeian ad Williams. th tike structure as mixed tumor and the cartelagenous cland r probably aderotomal If does not believ that they are due to metaplas in the thor maternal there are quat number of acre high such estillations is islands or red. The horn pearls which have been found only in Ruckert and the thor are contained in cyclockidney as ell as in renal adenomics and are due t cet blastic rett. The author also considers the presence of smooth intiscle as belonging t the heterotypes, as be never found smooth muscle trwite in the strongs of the pormal emberonal ladney The presence of I t ad mucoid tiesat is explained on the me basis.

Scheideranndel The Infectious Diseases of the Kidney and Urinary Passages (Dis michilum Lriankuspes der Neres und Ifara 170). Albiant.

d Ga d reskt Mel say sile, 70.

By Zestralbi.t d yes G sak Gebertsk d Grounds.

The gibor differentiates three types according

The other differentiates three types according to the manner (Iuvasion b the feeting organism. Harmstopenous (descending) saietion from between the feeting organism. Harmstopenous (descending) saietion from the feeting three types of the

The symptoms are high fever sensitiveness of the Lidney i pressure, severe constitutional depression.

With the accumulation of pus there is swelling and cedema in the lumbar region. I the early diagnosts positive urinary (bacteriological) findings are very significant. I vasion of the kidney alone is almost invariably hematogenous. When there is involve ment of the renal pelvis one must "omider in additio to descending infections, ascending (B coll) infectso from the bladder and nierts n via the lymphatics. Against the preponderance of hims. togenous invasion is the fact that in the young pyclitis is almost exclusively disease of the female. A potent factor in promoting invasion by the motile B coll, is conditio furinary stams. Infeetly through the lymphatics has its anatomical basis in the lymph passages reaching from the circum and ascending colon t the right kidney to Mueller' researches, t is possible for an invasio to occur vis th lymph spaces in the walls of the bladder and preter

There are tw significant points in the history previous bladder armability and yeturia The sensitiveness of the involved kidney may vary Muscular hyperalgesia and 'utaneous hyperesthesia are more constant. Mueller method for recognising pus in the urine is especially helpful. The reaction in B coll infections is assauth acid. Hem turis in uncomplicated cases as ext eraely rare. The bacteriological diagnosis is important as the author found the causative organism t be the B roll in 85 per cent of his cases. When possible preteral catheterization is indicated to find whether one or both kidneys are in alved. A bacteremia is demonstrabl in severe cases. The scrodiagnosis in B coil infections is unsatisfactor; The tempera-ture curve is characteristic—chills and fever at first constant, with a defeverence in 3-6 days. A low pulse tension and undisturbed respirations differentiate this disease from pneumonia. The alter nat fever and apyrexia is also characteristic

Repeated relapses lead to bilateral involvement. Out of s cases but twelve occurred in the mal The preponderance of right-sided in of rement is pronounced A correlation between measuruation nd pyelitis is noteworthy so per cent of cases occurring in pregnant women. Pycilitis of pregmancy makes taelf most felt in the seco d half. Here, too in unliateral cases the aterus is physiological dextroversion Pyelography discloses gener ally dilatation of the ureter tota entrance int the true pelvis, or dilatation of the renal pel as I the case f defloration, pyelitis resulting from the first attempt t coltus, there is t first involvement of the bladder and after few days pains in the lumber regions. The prognosis an uncomplicated case of pyclitis is favorable. A chrome condition may persist for years without any extens! of the proc cas. Bacteruria is often the final stage

The uther inchnes towards the medicinal treat ment. Vaccine treatment is uncertain I the more sever cases ureteral catheterization ad pelvilavage with silver nitrat is the procedure of choice. Lying on the left side is recommended for gra id patients While the interruption of pregnancy aff rds very prompt relief it is not recommended. Opera tive procedures are reserved for complicated cases, such as permephritic and nephritic abscesses.

P Moora.

Bauerrisen A Case f Post Operative Parineph ritia Seroes (Eln Fall on postoperativ entstandener Perforphritis serosa) Ziscir f pask Ural Leips 9 3, lv, 24. B Zentralli I d. gen. Gynak. u Geburtsh. a d Grenzgeb.

I consequence of Freund Werthelm operation. an ascending injection took place which i flowed th lymphatics along the ureter to the renal capsule and gave rise to an inflammation of the tunica fibrosa and fatty capsule including the fascia renalis. The resulting inflammatio the author describes as perinephritis. A secondary invasi n of the parenchyma gave rue t a nephritis. The operation of choice is an incision of the Lidney 11 marwayor.

Bastimer Contribution t th Study of Pvalitia Granulosa (Beitrig sur Kenntnis der Pychris grantions) Zinder f west Chr., 0 3, 1 \$c. By Zentralbi L.d. ges Gynak u. Geburtsh. s.d. Grenngeb.

B etxner reports case of pyelitis granulosa which in its clinical manifestations differed from the clinical description of Fritsch in so far as there was no intermittent hemorrhage. He sacribes this pecuharity t the special pathological findings at operation, to wit, circumscribed knot-like infiltra tions. In the etiology of pyelitis granulose typhoid plays an important part.

Drennen Tra matic Hydronephrosia. Ass. Surg Phila., 9 3, bril, 879 By Surg Gynec. & Obst.

After distinguishing between three groups of traumatic hydrosephrosis, i. () true traumatic hydronephrosis (s) pseudotraumatic hydrone phrocis (3) ruptured hydronephrocis, according t Leguen, the author describes the true traumatic hydronephrosis and reports case of the same

As the origin of true traumatic hydronephrosis he gives the following etiological factors mail injuries to the ureter which complicate the renal injury and re invariably situated high up near the rigin of the reter which may be either ruptured or contused or even completely severed and thus the cause of cicatricial stenosis or occlusion at the point of injury A blood-clot in the ureter following injury to the Lidney is another cause. This clot may cause obstruction and produce dilata tion of the renal pelvis. The increased pressure hove would necessarily distend the ureter so that the arrested urine would find its way alonged the clot, which, occasionally would sooner becom det ched and washed a y There are also secondary cames such as tra matism, which may lead t floating kidney and this in turn to obstruc tion of the ureter A blow over a calculous Lidney may dislodge a small stone which may be impacted in the ureter and thus form a true traumatic hydronephrods.

Symptoms of true tra matic hydronephrosis s he states, simulat mostly congenital cystic kidpey I most of the cases hematuria is present. The size of the hydronephrotic sac varies counting t the nature of the reteral obstruction, which, he sudden and complet may produce a small tumar

The uther bases the diagnosts of true traumatic h) drosephrosis on the preceding traumatic history nd climcal amptoms, such as Buctuating tumor retroperitoneal position, originating in the kidney and developing insidiously its cost ats committing of

more or less aftered ripe

The differential diagnosis is leaved on the conditions high repail tomor is found viz harma tonephrosis pyonephrosis pseudotra matie and ruptured hydronephroses As ording t blm correct diagnosis is made it persison or tups; when the follo ing i tures re found. The expended pel is the elling being true tumor of the privis i the kelpey the diluted cabres the flattened paralle of Liciney turner and the obstruction in the ureter. Also the array may be employed in the correct diagnous of true transmatic h dro perspers A case is reported in detail. I know

Aleman

COLETY

man A Case of Right-Sided I termittent Hydronephrod Ca sed by T o becamory Renal Arteries Operati Remoral of Samet Recovery (Lia I all on rechtseager secenal er endet Hydrosephere bervorgerules duris erar remail accessors: Operating and encompation deserticione Gracoung) And mod tel: 9 al

By Zestrafid I d ges Cyath, Gebertab d Grennych The thor exect case of interndition bydronewhich is accessory renal arteries ere found t be the use. Mer operation rem val f these abnormal vessels the patient made full re-Horars tica

Tennent Th Cause of Pain in Pyelography with Report of Accident d Experimental Find 1 h 871 i gu. A s. Jury Phila By Surg syant & Obst.

arming relative to the damage Tennant maves hich may result t the kidney parenchyma by infectio of substants athors actural satrol of pressure in its elography for diagnostic purposes and gives details of one clinical case and of several animal exteniments.

the usual method of I lectrat collargol through large-med urcteral catheter with piston syrings pronnected the gauge or pressure states the determination of privac capacit is left wholly to the manneous of renal color expressed by the patient Damage t the kidney may rea it before the pat t complains of olk irrespective of bether ter or preparation of silver has been injected

The course determination of both the quantity of fluid and the pressure can be determined by attaching mercural blood-pressure manometer t one end of I tube bit the find is discharged under pressure from graduated glass cylinder. The recently published method of Thomas for distention of the renal pelvis is simpler and more practical method where gravity is sufficient.

A female agrd 24 years, presenting symptoms suggestive of chronis ppendicitis was found t. have complet transposition of facers and the renal pelves ere injected by means of pixton syringe with sper cent collarged suspension for disgression purposes. The right pelvis received so or and the left 16 c. Considerable pain followed but the skin grams ereunasturactory Five cekslaterinjection of commentand completed 5 Det cent

SUSPECTATION.

Stragram showed normal left pelvis and lurge irregular right privia ath marked shadow ell out in parenchy ma extending from center of the right Lidney intiltrate gunt it pper pole This shadow was reproved the discused area and exploratory operation was undertaken t crks bier A large edge-ahaped rea of kidney substance about t

suches wide as found the utilizated thathe oliargol and the cuspule overing this infarct as bited from the purenchyma by layer of collargol. The of ris recoded to the recal neigns but as excused athout opening int latter. I thent recovered therefore mytoms

On no concopic examination, the tubules ere found t ontain collarged throughout thes estire length and extending into the glomeruli. Collargol from both jections was probably present. The t bular epithelium generally was completely no

CTOLK series of experiments on freshly removed hops kidney at an found that similar extension of the collarged tat the t bules occurred t pressure varying from a mm t 8 mm, mercury and upward. I B CARTETA

Warfachtschoff Decapsulation of the Kidney (Zur Frage der Nierruck Läppelation) Char Jrok. Raframaten, 9 J. 2001 30 By Zantralbi L.d. pes Chir i Gerangels.

oma 17 years of age with The patient as chrona pephittia, ordema, albumi 3 per cent hyahne nd granular casts. I rat the right kidney as decapsulated \ mprovement followed After months the left Lidney was decapsulated. liter temporary improvement there as relapse nd ears and a months first he second operation the patient died

ter found in Contrary t other authors, the olse of the removed peule thick, firm throses tampe capsule that produced complet pressure atrophy of that part of kidney. There as so anast mous ith the renal cases. The kidney enture as that of secondary contraction. The uthor concludes from this are that nothing is t be puned by for paulatio in acomplicated cure The procedure coording t Par of peptitis Issecchio and I lorken is indicated only in exacerba tronsof peparatis in urrems and assuma. Eclasopthe be special indication for decapsulation, but a secondary or tractio due the formation of a fibron them expended may occur y of these cases. The whose speciese corresponds to experiment of Rosoff who bo found science that get I the next formed eachs. The author grees with Israel i madering decapsulation a rank or mile procedure.

Moore and Corbett An Experimental Study of Several M thods of S turing the Kidney A Serg Phila 9 3.1 850 By Surg G nec. & Obst.

The authors point out that the Jamage resulting from squire of the kidners is in h more certenaive than from the incriso and is moreover very vanable mapling from slight is cart tames formatio t complet destruction if the par horn. Where matterns structures are set mail portions of the kidney substance may be urangulated especially in the permitted. Lat cake the both their mass to the control of the control

Vier reviewing the anat m fishe blood supply the thora consider the powerson f methods i inciding the kiloses of sit these objections to the incident kiloses of sit the objections to the stew-are method to them. Then give the results of series i experiment on animals in hich with the stew of t

Exhibery turned by them the war do not bleed of they show by considerable where feeper-ments that the temporary compression of the read-ments that the temporary compression of the read reach produces slight designature of the transposition of the read ready and the control of the temporary of the control of the temporary of the control of the temporary of the t

Liven Concerning Blisteral Unsterollith tomy to Calculous Anuria (Uber doppolaedige Ureter offibotomic bel calculouser Anuria Beatr a. H. Chr. o. p. kurdy 4 By Zentralia i d. ges Oynak. Geburtak d. Grenngeb

Most writers assign very mino importance i ureterol thotomy in calculous anuria as compared with operatio (nephrot my) the fleeted kidney

They concede this procedure perminible only under special condition. They hold removal of a stone a secondary matter Double sided ureterolithotomy is even more seldom carried out. I co junction with a case f which this procedure was successfully performed the author discusses the indications and prognosis f this operation. It is indicated in im pacted stone a the flac or pelvic portion of the ureter but adaptable only if the pelvis is otherwise free from at ne. In cases of upprotracted anuria it is best t tterant to disloder the st ne first by uneteral dilat tion or i jection of an i diff rent fluid. I event of a severe nuria it is necessary to perform a single or double nephrotomy for it tors the re-establishment of the renal function as does an I testinal fistula in ileus. The proportion f cases i which bilateral reterolithotomy is indicated is cry small but its range of usefulness will broaden.

Hartmann Operati Treatment f Super nonerary Abertant Ursters (Zer Kanishk und operation Behandlang abergabhyer bernanter Ursteres) Zische (Urst. 9 3 il 429 By Zentanhik L. d. pr. Chir u. J. Grougeb,

A thirty three year old female patient had been consulting acreal physicians for portunit consulting acreal physicians for portunit without griting rities bin II riman discovered areal operangs below the ordiscian extern in urchine from shi b. little drop f. ritie as passing ben the patient congled. Further examination revealed the open it as the outlet. I a upernumerary ber rait urrier. By the wignal route this urrier was then umpla, test far, the bladder and the patient as releved of the trobb.

The whose collected fifteen cases I supernumer any bernat unreservatively so there cases which it as not possible it decide whether they decid with a proximenary bernant, or lib perfect, reters, and finally sever cases I perfect unreters with bornal ordise I its often entremely difficult it find the narrow opening. Sounding its almost levely impossible, As operative methods implantation in the unreter bit it bildeder or it to be rethra may be considered, I implantation

t the bladder the vaginal the transverical of abdominal rout may be chosen. The vaginal implantation in the bladder is the method (choice, Russarius)

II tchinson Obstruction of the Ureter by Aberrant Renal Vesselis; Clinical Study I the Symptoms and Results i Operation. *Tre. Rey Sec Med 9 5. vt. Surg Sect., so By Surg. Grace & Obs-

By Surg., Gynec. & Obst.
T insure an early diagnosis of vascular obstructor of the reter butching.

tio of the reter Hutchino notes the following signs. It is found generally in males, usually be treen the age i 5 and 5 rarely younger. The attacks of pain ar periodical ith an interval of months or years bet een the early ones, while the later ones come on every seek, or others. Finally when the polyis dilates permanently the states, case only a dell pain in the dism remaining. The pains are severe, doubling the patient or yeard making this near to protestly. Venturing is frequent although it does not always occur. The pains are located hiddly in the humber region, but may occur in the front of the abdomen, and radige, toward the ground texts of the same side, rarry into the shoulder. It is one-sided occurs go not be right take twice as frequently as on the left. Redies obstaded by you on the affected side. Another medicines now periods are of the costs are of the costs are of the costs are of the costs are of the costs.

ents are of use.

Exertion does not cause the pain as a rule. It may come when patient lies dow it is not affected by diet, time of meals, nor constitution.

There are no objective signs. Cyrtoscopy may show congestion of the ureteric orifice on the affected

side. A skiagram will make the diagnosis.

Urinary symptoms are absent there is no frequency of microfition during or after an attack.
Occasionally hematurus, traces of allburain and
pus are present. The came is consended. It is not

dependent upon a floating or too mobile lathery.

I the majority of cases immine exploration alone
is required. The resselor ressels it fault religatured
and extrinct. A plastic operation has been performed
in cases with distortion of the polvis but without
spectrus. The anthory claims it is best not to open
the canal but it straighten out the point and uniter
as far as possible. If a dryage early operation.

LOCIN GROSS

Ottow Contribution to th Study of Intermit tent Untermed Vesicalis (Setring on Accusing the Intermitteewater Untermedia candia) Ziche graff Lrai Long 0 1 5 5 5 5 F Zontrible I d gen Gyath.

By Zentanni I d get Gyalt. Georgie a Greater The other describes case of unilateral uneteral prolapse the size of which varied with the strength of the uninerviteram. It was plainly at its greatest size during action of the meter and dominated in the intervisit. This observation and it clear it the author that the actio of the arriver is the explans too of the di-know variability in size and ap-

pearance of such areterocele. Hannace
Lohnstein Cystic Dilatten of the Vesical End
of the Universe (Cyclicke Erweiterung des vesikales
Ureterendes) Linch f Urel 9 3, vil. 3 7
Ber Zeutzübl. 1 d ges. Char Grenzph.

The uibor describes case of ureteroccie successfully operated by hm three years po by the excloversical root. The patient was woman as poears old, who had suffered? may years every pains to the lower abdomen. She had had an appender tour. Gooble ovariationny and sequentially performed without relative to the appender tour of the control of the control of the performed without relative catarab. Chroscopy compliants on above the bladder wall bugged inward by the ureteroccie the monous surrounding the uncteral opening was prolapsed. Diagnosis right died ureteroccie. At operation the prolapsed mucosa was canterired with a Loewenhardt castery introduced through cystoscope. The unterest opening immediately enlarged building of the bladder mucosa disappeared. The patient's symptoms entirely coased. The author in operations of this kind prefers the endowesical route. Openin.

Zockerkandl The Leval Treatment of Retmitten of Urine and Pus in the Kidney by Heune of Ursew i Catheteriation (Use de ordich Behandlung renaier Hars- and Ekrosiasingen deck Raminier-katheternam) Was new Welsen

9 s. ani. 345 By Zentralbi i. d. ges Chir u. l. Oreaspeb.

Normally there is no trues in the removering Readual urine the likelay option must be locked agont as a pathological condition. Complete a partial retundant, whether aspects o inferred, can be therapentically indipensed by the introduction of unrested catheries even though in pany cases it may be only pallistrive measure. Where the units we retundout in the kidney in complete the severe symptoms of the attack, as seen in intermittent by dropoghrous, can usually be relieved quickly by execution of the units
or the footby inside popular after short time. The therepresells benefit or their microbient and the tension, and especially in the infected forms. Be delect outberreation, lawage of the renal pelvis may have to be considered. On account of bemorrhage pola, etc, the calletters cannot be retained neighby usually not I agent than a a boarn. Each case must be examined with the engrand for all the symptoms and the anatomical and pathological relations constructed by extremely by all the modern methods and in those with marked consumptional distribution and in those with marked consumptional distribution of the contribution of the constructional distribution of the contribution of

Palcowski Permanent or Temporary Deriva tion of the Urine by Vienna of Nephrostoms (La niphrostoma mayer de der alton purpanen os temporare des uruns totales). This de der Par., o 1 Jans By Journal de Generge.

The unified time for univary terred is are multiple such as server to the reciber optimits, painful and investrate cyatets bladder tomore extraptly of the absolute painful cancer pressing on the uniters, betinete reason-rapinal factule and some case of renal inhibitant production of the control of the con

is fa from the necrosis of 14 or even 14 of the parenchyma wrongly maintained by some a thors

Far from impairing kidney function, natulization improves it as demonstrated conclum ely by many cases. In some instances the improvement is such that radical surgical interference may ome up for consideration later If besides, we take int count the fact that there exist a umber of perfectly tight mest dmit that appliances t collect the urine pephrostomy deserves a greater place i practical work than it has been beretolore granted

GARTON PICOT

Kidd A Small M scie-Splitting Incision for the Exposure of the Peivic Portion of th Urster Lencel, Lond., 9 3 chresh 578
By Surg Gynec. & Obst.

The author bases this report o his experience in the disserting room, and on series of operations on the living. He advocates an incino three inches is length parallel to Poupart a ligament and one and one half inches above it, the center of the incisio being directly over the internal abdominal ring. The various lawers of muscles are divided in the direction of their fibers more room is secured by the inward retraction of the rectus muscle great care below used not t cut its posterior sheath. The ureter is t be voosed at the point where t crosses the external illa The the claims the rtery following three dvantages for the incision that it voids injury t the last dorsal and illo-hypogastric nerves and t the deep epigustri vessels and prevents the occurrence of post-operst berous Have L S ro

IRNIA 5 KOLL

BLADDER, URETHRA, AND PENIS

Lewie Where is the Fundus of the Bindder? J

Am H A 9 3 lt, 765 By Surg Gymet & Obst. I an openling communication, Lewis asks that the term (under of the bladder hich m truth has origin from the Latin, in meaning the base, be corected It is musnomer masm ch s the term as applied has reference to the vertex. If asks that the nomenclature be changed, ccording the truanatomy f the part and the classification as given by the anatomests, as follo () The summit or vertex () the base (ndus (3) the body (4)

U terberg The Operative Treatment of Rebel llon Gystiti Cases with Corettement of the Biodder and Temporary Urinary Fi tula (De operato Hellung der rebelluchen Cyntinden mettelet Blasencurettage und sentwelliger Blasenfriel) Bestr Him Chir q g, lexxiv 5 By Zentralbi. f d gen. Gynal, u. Gebortsh a. d Grenzgeb.

the cervix or neck.

The other defines as rebellious cases of chronic Cysthia in hich deeper pathological changes pre rent or interfere the the return of the organ t normal II divides the disease int two types one

in which definite anatomical changes of the mucous membrane exist, such as ulcerons cystitis, leucoplacia cystitis pseudomembranosa and the other without characteristic mucous membrane changes. The etlological f ctors are gonorrhors, pregnancy and catheterization. Anatomically the severe bladder lesio consists of thickening and induratio of the individual layers, which decrease the mobility and dilatability of the organ and co vert it int one of fixed capacity As the most severe changes occur in the submucous layer curettement of the focus is necessary

According t the author the entire removal f the procons membrane through a suprapubic opening with prolonged drainage and irrigations with -a per cent allver nitrate solution is the most thorough method. If the patient is a woma and refuses emprapubic operation the treatment may be performed through the prethra. In very severe muscle desengration with minimal carecity the nly treatment consists in performing a permanent enaily closing urinary fistula t liberate them from the conto none desire to urinate. He reports seven cases of personal observation and treatme t (six women and one man) Of the three cases in which the blad der curettage was performed th ough th urethra,

t o were improved and on had a recurrence after short improvement. Two cases of suprapuble carettement with temporary fistula were decid edly improved. Two cases with a prapuble cur ettement and permanent fistula were not improved on account of the extensive destruction of the bladder musculature. The best results are obtained sectio alta and curett me t. Local treat ment produces no results in rebellous cratitis.

Lords Contribution t the Treatment of Exatrophy f th Bladder (Contribution traitearent de l'existrophie de la versie) J d'abre E, 549 By Surg Gynec, & Obst.

The a thor groups the amous methods of treat ment of exstrophy of the bladder as follows

I terventions having in view the reconstruction of the bladder and urethra.

Interventions upon the ureters to avoid the inconveniences caused by the mucosa of the exstrophled bladder and to limit the escape of urine. 3 I terrentions having in view the deflectio of

the urine lot the intestine 4. I terventions having in view the creation of resical pouch possessing an orifice t the exterior placed under control of the sphincter ani, ad without a y connectio with the rectum.

After brief review of the technique involved in these methods of treatment with their advantages and dangers Lerda evolved principle which re-

solved itself I t is steps.

T obtain a closed vesical pouch no matter how small use entirely or i part the exstrophied wall sunc this wall is most pt t fulfill bladder f action.

eound.

z. T creat t this casity vesleo-perheal canal for the escape of urine independent I the intest no but passi gwith the ring of the arbitrater m

This principle as policed the following are A bor aged at and one ball years, the exit ophy of the bladde the customer and the bladde the customer of the cus

fi ger. The episp tic pents was likewise w if I due t successful trempt t matruct surethr suret mempty nelescended to the

th Ingunal anal

The operat proced a foll step 1 the perinen semt I exion longitudinal sk flar K in long to 4 cm le as I el | with this have t the natoring. The subspecter as must refull exposed ad separ ted from the anterior II of the rest in A large Hegar dilator it educed t the rest in order t I pla t form d ad at and and toe the mall test per out of the provide of Designation the ne is geret the bludder blust director as find if the traves be een the thinks to posith rectang to the Dula place these nel re provide canal made i the base of the blad for 1 the end of the ke all p as graped reed for ep and introduced post nor sell erilli ne for the sel 1 the likeliker mix operard. In order to pe helful use the rest of the nal, see large Theeseb et drainage the The grait pure interest in the fetter is that he call it permit the evape of blue 1. With no larger the like lefer these he as

caret il tradiced at the new all noint ned pumps position it sail re at perineal end. The lifet the peri cam as loved hi be not of eachs da the the a a hoirs and to to mak but the eye beliater toon of the new and as umplet new t be covered b. Thurwh

gratt at fixed

nd at p light d fter the second graft curved metal wound troduced through the canal t the base of the Bladder the med. I are not the bladder incomed the large Peter catheter pursed from the blackler t the perine m 1b theter offert if bost fourteen ounces of urine i the est escapeng through the anterior onto of the bladder her use of the mine promine are of the terureter I hermont

ad st p. Mr. some cets, during but the retention therer had been freq ently has ged and the vesteal ornice firmly established, an attempt made t love the terror orthre of th blackler by freshesing t surface and utilizing the epistueds. t berele of the penus as an verted L flap. The

hich pergated healed slowly under permanent drainage through the perincal me trus. The patient was kept under beery tion for

sut res held for the most part and the small fartila

several ceks. After the theirs wal of the retes tion catheter t not cill thit during the effort of defection few drops of rine escaped by the calcoperincal nal but the bladder a not continent ad the toract of the sphincter in regard t contimence of faces was the me as before the operation. The p treat wa allowed t go home but returned are p teen we allowed to go home but retained ex shord the suprapulse fixed a hite discovered to be due to attleture of the next formed small his outdinard permit the passage of hiteram. Thus trust recommendated until at permitted the praign of a 25 sound. The t men t rd t nous t the venual extremity of the newl formed est peri cal analis the calport the other technique because this a t adress the and most be kept dilated ath

Umou ha elatered since the operation The t tie t ret in for periodic dilatation of the if both pe mut the entranc of a stronged ben weelst out new of the bladder mornings be he is presume for defect to be emit fram quant of unite number era to hed is much lest but the part of the bladder oo is not be dit there excepts from the perior long council set oblige the pittent t arm pas t for collection This is due! be loves of he sphincter is in side If his Lines face not improve the thor latered t

perform one of the our I operations for improvement of the the whole er

The bur nelodes to totall propused methods for he or tment set (ph) of he harder the only ones orth sealers ion are those buch h the format mod loved excal to it the entry look be extended piter he con

t of of he solven er ou Merbod buck minter or thus purpose an part of he digesti tract are too gr | Ihose hi h onstruct in the suil sphincter ent segment of brestine cakes the aler dy feeble mit ne er ni too mucht be effecti The methods his bicreat atra sphinciers, the b means I wantent of the terror all of the

rect to too gra nd too difficult because the operat we held does not lend (self t the unerous sutures high renecessity. There is also the difficulty of ex rong enough of the rectal wall thout producing stocotta
I most ases there exist flap of excal wall

thick mough nd de enough t he tabzed for the reation of unnary reservoir. This reservoir 20 matter how small, be dulated enough t be serv scabl for this purpose the dilator is ented by You is not marended

nul for the escape of orise I orde t frosh from the reservoi at as not necessary to resort to ent any plant a t the expense of the bladder of digests e tract since I neous plastic made from flaps of the permeum, completed by Thiersch grafts, ca perfect! f itill the conditions

DELM PROBET

Oppel Exclusion f the Bladder (Die Ausschaltung der Harablase) Arb 4. chie Klus, d. Prof Oppel 8t. Petersb 9 3 rs 3 By Zentsabl f. d gra. Chir a. i Grenngeb

The utbor reports twenty bladder exclusion oper ations performed in his clime ecording to the method of Mirotworzeff. The wreters, after being liber ated, were divided as near t the bladder as possible and implanted into the pelviccolo or to the lower sigmoid. The preter stump was placed int ing made in the bowel, mucosa being a tured to mucosa and reinforced by second row of sutures. I the first row of sutures it was advisable to include the adventitia of the ureter to prevent the natures from tearing out. The operation was performed for engrophy and for carcinoma I the bladder (in the latter as preliminary procedure) for high epi- and hypomedias with a cieft soldineter for verscovaginal fistula in which a plastic operation proved unsuccessful and finally as a palliative procedure in inoperable carcinomata and severe t berculous infectio of the bladder

In entrophy of the bladder he author described the methods. Middl and Seabhorts, ance they are accompanied by too high mortality. Of eight cases operated according the method I have warred, two died, both nuder y years. The bladder model was not removed until two works after as a second to the second with the second warred to the second was performed two to the their chalc after a previous evaluation according to Mirror cored.

The author collected ten cases from the literature, in it which the urine was dee enternally and in the remaining four was led into the bowel. A deaths occurred among all these cases. The implantation method of kinotwoered however is to be preferred, aince it does a worth the ponising urinary facula. With the good results obtained in the two-stage binder entripration for carcinoma, the indications for this operation must be esteasied at the expense of reaction. Which poor results are

btained A well-f notionating aphineter am is necessary condition for the operation. The condition of the kidneys also is important advan ed nephritis and pyelitis are contra-indications. A third contra-indication is youth children under o years offer a high mortality In ouchsion Oppel asserts that although flections which indicate exclusio bladder are necessarily accompanied by danger of ascending infection, this is not so great according t his experience, after operation as is generally subposed I a series of his patients sympt ms of unilateral or bilateral pyelitis set in shortly after operation, but they gain disappeared after Those patient who previously had perfectly healthy urlnary tracts reacted more intermely which must be attributed t an beence of local immunity T minimize the danger of infection the utbor dvises tree catharsis and disinfection of the bowel, and immunising the patient against the colon bacillus. In his last cases the uthor observed good results with

milk dict and with the ferment regulatic Chiari on the one hand and polyvaient coli vaccine on the other. In regard to the latter question a discretation by Ilfin will appear later.

RESERVATORY

Boarger A Clinical Study of th Application of Improved Intravalled Operative Method in Diagnosis and Therapy Mod.Rec 9 5, Ivend 14. By Sorg Gynec & Ohst.

The author gives a detailed description of his instruments for intra-wiscal operations. The many conditions in which these are of value are then discussed and cause diste in connection with each backler or prostate has been of great assistance in the contract of the con

Dilaston of uncients of service when there is a real stenois of the uncirc or in casts of uncient calcult above the passage of the stone downward has been arrested Runal therefolder can often be diagnosed from the microscopical examination of annul residual interdes when no other definite sign of t berculosis of the renal system can be determent.

Hirsch The Effect of Gonovitoral Infections pon the Musculature of the Genito-Urinery Tract. Am. J. Urel., 9, 3, iz, s23. By Surg., Gynec. & Obst.

A ther discuses the secondary symptoms promoved by influsion and fibrous deposits in the genine-striagr massives. He are that the seculidsymmed remote may be a fine-string of the morous membrane, or it mucular more than when such has to be classified as the inhibitory citos (the bhidder wall and the cital sparm of the uretharl muscles. The close protunity of the amplila and seminal vesicles to the bhidder may induce, to be a seminal vesicles to the bhidder may induce, so-called bhidder infrability and chronic synthactive theory of the control of the contract. This condition is promptly releved by emptyling the seminal vesicles. Heavy Kany,

Federace od Cola Mensuration and Projection of the Postarior Urethra and Vesical Floor by Means of Postarior Urethra Collipers and Radiography N T M J 9 3 xxvii 73: By Sey Gync. & Obst.

T accretain the exact position of the outer of the bladder the authors deviced a see bestomen of the catheter type, so that the bladder may be all modern distriction. When withdrawn mild the flow ceases, the instrument occupies the exact order with the coalcal bead time voltage the exact order with the coalcal bead time voltage the more months incident t the solid no -catheterium; instruments. This new instrument has a lead 5 cm. long mognated

pentine oil. I the latter instance there ensued a severe cystitis with marked pyurla. The other cases suffered only a more or less marked bladder leritability or inflatamation of the mocora. I fee tio int the renal privis a thout hi drance t the urinary tream provoked only bacilluria with few lencocytes but no alterations in the privis or the canal-systems. After ritheful areteral constrictle generally ith more or less persisting stasis (up t 68 hrs) severe damage followed, chiefly in the remon. I the pelvis and upper part of the ur ter The infection wa invariably ascending elther through the canal hymphatic ystems. I travenous i fection with simultaneous it fi til areteral constriction gave rose t an infection of the ascending type in hich the most marked hanges were observed in the pelvis. I the nonerated side there were only moor if y alterations the lad-

In order t test the possibility of bacterial passage through the itestinal all n rubcual ureteral atenous as produced ad ops m dm sucred for long time A renal I fection was demonstrable cultures from bladder nd pelvis being negative The conclusions re as follo B colus overn han pathogenic for rabbits capable of producing deep seated lesions in the urnary practices and factor in concrement production. Of greater importance is uninary stasts, inch, even it the present of most ineignificant alterations in the unnary passages, invites infection ith the B coll and acreases its irrelence The afection corresponds t the ascending type. Descending I fection is possible but injection from the atestise is hypothetical only as long as there is no proof of transmigration of bacteria through the i testinal wall either conditions that are normal or described as intestanal dis-The preponderance women affected is due t local conditions (shortness of the arethra) bich I vor the ascent of the germ I addition there re number of ontributory conditions, as generates, leavening of the mucos in the menes and programcy The unusual incidence in the right kid ney is due to the naturalizal structure a predispose tion of that kidney t lie abnormally low in oramon th visceroptosis. I consequence there occurs more or less persistent bluk which by hindering the normal stream affords the first step in kindling MONTER infection.

Relly and Lewis Silver foolid Em lalon A New Medl on for Sklage play of th Urinary Tract Surg Gyner & Chai 9 3 xx1, 707 By Surg Clynec, & Obst

Everyone has found that all of the various suchs injected for \(\lambda\) ray purposes possess various disad ntages. Collargol a widely med and may be taken as a good example of the group. The chief objections t collarged re () It is dirty and stains everything ith bich it comes i contact () It is everyman (3) it is proprietary preparation expensi (3) it is proprietary preparation injection have

been reported from time t time. I t operated po by k lly I the last few months per viously injected with oflargol it was noticed that the perfecual tissues were discolored, the collargol ha line passed through the renal neigh although the latter wa intact. One of these cases required prolonged drainage before bealing.

The use of an emulsion of the lodide of allver for skingraphi purposes was suggested by the fact that t had already been used therapeutically I the bladder by Siter and Uhle Silver iodida is insola ble i water and must theref re be suspended. This best done in taucilage of quince seed. The preparations put out by different establishments vary great deal some being far better the others. beliver soulide in clea it does not stain it emit concentrat on is known and ca be controlled. It is bland, stimulating and anti-eptic. Its cost is inconsiderable. The alver sod le emulsion gener ally used by the utbors | s per cent strength to inject the bladder ureters or pelvis of the lidney decidedly better shadow the does collargol solution of equal strength. I fact 5 per cent silver solide emulsion test t be cost shadow telly per cent collargol solution. as deore as will Less on entrated preparations may be employed if the cavity t be jected is of yare as for example, f the bladder being X-raved Some ha feared that all er sochde em knon afected int the areters might precipitat leaving behind particles likeli-might be the sidus of flure stone but the authors re con loced that this fear is groundless. They conclude that solver lookide emphasis carefully pre 5 per cent streamh is sal preparation use for radiography of the entire urinary tract-It is non tone and can safel be used even in larger amount.

Smith Th Excretion of Formalin in the Urine; an Inquiry int th Accuracy of Burasm's Test Bules II & J 9 3, cives, 7 3 9 1, civrii, 7 3 By Surg., Gymes, & Otat.

Burnam test consists addl g three drops of o.5 per cent aqueous sol tion of phenolhydrarise hydrochloride, throu drops of 5 per cent queous sol too of sodium nitroprusside and then an west of mt rated aqueous solutio. I sodium hydroxide. The solutio t be tested and the sodrum hydroxide must be beated little bove body temperature. Formaldeby de, so ooo or stronger causes an intense blu which hanges to green and then brown. In solutions 50,000 pt is green, going over t bro so one the first color Urotrops III not give this reaction. Urotrops may be broken don by cidulating, ith sulphuric and and builing when the solution Ill rea t

The article outlines the work of determining the conditions under kich the test is of most value: the ttempt to determine the conditions causing breaking dos of drotropin by kidney or urine and the relation of cidity by himsus test od hydrogen FARTE B FOWLER ion concentration.

SURGERY OF THE EYE AND EAR

ETE

Ball Amblyopia from Hamocritage. Interst M J 9 3 Ex, 53 By Sorg Gynec. & Obst.

Of the cases in the literature of dist bance of vision as result of humonrhage the humorrhage was from the stomach in thirty-six per cent from the sterns it twenty twee per cent, from the note is seven per cent from accidental assunds in five per cent from intensional loss of blood it is eight from per cent and from pulmonary and arethral bleeding in ne per cent.

Disorders i jaon f llowing hemorrhage occur almost ribout exception I persons ha cre previ ously not healthy I twenty-dwe per cent of cases loss of aght appeared during or unmediately following the hemorrhage in t early per cent d'ring the farst e leve bours and in fifty per cent during the first te leve bours and in fifty per cent during the first tree est.

The ophthalmoscope indings do not correspond to the degree of loss of visio C. G. D. Livo.

Meller Chronic Inflammatory Tumor Forms fours of the Orbit (Uber chromich entsächlichs Ceschwigtbildmern der Orbits) Arch f Ophikal auf 9 kinnes tof

B Zentralbild ges Chir Grenngeb

Meller report naze cases of chronic afaumatory times formations of the obts which were observed during the last sweeth even by the house of the control of t

Meler emphasizes the necessity of acceptaining the malignance of the tumor by using the tree and Wassermann tests, mercury teatment examination of the accessory cavities, exploratory exchang, et before performing any operation.

Energy, the property of the property of the performing any operation.

Mathewson A Case of Pulsating Exophthalmus.

Ophth Rev. 9 3 xxs, sqs. By Surg. Gymec. & Obst.

Mathemaon reports case of polasting exceptinal in following fracture of the base. It he shall. When first seen by Mathemaon, four weeks after the accident, there was complet prous of left upper lid, swelling. I junctive, fundas normal visloo fingers t cipit feet in upper lad! I feld. There was no state to upper lad! I feld. There was no was undoubtedly damaged by the of exclusions was undoubtedly damaged by the year. The common careful was the

and month later there was little proptosis and no pulsation or bruit. Vision, of course, was not im proved. C. G. Dakirwo.

Weldler Concerning Dermolds and Dermo-Lipomas of the Conjunctive. Optic Res., 9 3, 828, 99 By Surg Gyper, & Obst.

Weldler reports two cases of dermoid of the copea, both being located at the outer lower quadrant Both were solid, one about $x \in mm$ be other about $y \in x$ mm in size. The only other congenital defect was the absence of a mil on the Bitle finger of the gight hand in one of the cases. $C \in D$ sizes,

Wyler Enuciention Under Ciliary Canglion Anaretheeta. Lauce-Ciu 9 3 cit, 643 By Surg Gypec, & Obst

Wyler discusses enucleation under ciliary gan gion anæsthesia and follos the techniqu of Sowanstein. In summary of cases operated on he says Local anæsthesia is certainly less dangerous and more greathle than general for emucleation

and more greenble than general for emodeation 3. Upon cutting the optic nerve none of the five cases saw the flash of light t. which one sees so many references.

The method is very easy procedure.
 It is policable to inflammatory conditions

 It is policable to inflammatory condition when infiltratio has proven unsuccessful.
 Healing is rapid.

 If o belower that this anesthesia may be popular in the future for other painful operations upon the globe
 C. G. Duzine.

MAR

Nelson Th Value and Indications for Incision of the Eardrum in Otitis Media, Atlente I for Med 9 3. br. of. By Surg Gypet. & Obet The author pol ts out the fallacy of compdering otitis media as self-limited disease and of waiting for spe tancous perforation of the cardrum. The ord incise instead of the term paracentesis is suggested and in opening the eardrum for middle car disease it should be feely incised. The best rule as t the location of the incision is t incise at the point of bulging if it is localized in some ne portion of the eardrum. When the bulging is general, the posterior inferior quadrant of the membrana tympani is the safest nd best place to incise. Here an incision can be carried upward and backward to the superior posterior border with the

Lulis plunged deeply enough t incise freely through the mucosa covering the inner wall f the middle car

For this purpose the von Graci cataract knil is

the simplest and best.

Dr. Nelson reports incision of the drum 3 cases of servir and in 3 cases of chronic, otilis media Only 1% subseq ently required massoid operations All of the 3 cases showed objective and subjective symptoms of extension int the massoid trum if the only in the massoid refus, and it practically certy only of the control o

I those cases of chronic supportative titas media in which the drum was incised only temporary amelioration of the condition was obtained in the procedure had the repeated several times. These cases are chronic before seen if the clinic

With the results noted in the acut cases it is reasonable to suppose that early incision of the drum, or other ppropulate treatment, will it all probability arrest perious results. We true H Thronous.

Pierce Preservation of the Antral Capsul in Operations for Acts & poursel Processes of th Mastold T Am Onl. Sec. 9 1 Ma By Sog Gross, & Otst.

The antral capsule may be more or less differentiated from the rest 1 the bone as it possesses marked resistance; inflammatory and softening processes; which the masteld is subject. On this serving the satisful capsule. This capsule is that portion of the temporal bone bounded be he diplotted bone and possessities cells it ag bet even at a capsule and the satisful capsule.

teriorly by the nierposed pocuso diplocus bone not ompact subst as of the sternal unitory canal the outer all b the same character of bone posteriorly by the compact subst one sent in from the root of the sygomatic process, small pocumatic paces in the walls of the sigmoid as us and n-

feriorly by the cultiform plat

I can afinamistics is the masted perforation
the masted arrow is invariably through the
cultiform foor addo ward this being the hose of
least resistate at the softening process. If the
bown his contains the intrum a distroyed at has
hear recent but them, consigned the accession of

been noted that the m coal from the spreads over the oneons structures, making permanent, large dependent vity Incil the mitto-perioateum of cry low resultance and hence long fiter-treat ment.

ment.

Dr Derce operation procedure is a preserve this box. The incisio is made as in all mustood operations and the antrum entered from below, taking if the cover of the bone bont half is inch from the tip upward t the lower margin of the mustod fossal forward to the hard bony substance of the reternal

additive canal and practically above a finger absential from this. The goth bone is stranged on a surarh made to the fistula which is almost invalidably found descending from the outsiders plate of the mastorid anterim downward. Only coops of this soft bone from the bottom of the anterior moved to admit a small rubber drainage tube. The rest of the diseased portion of the mastorid is removed, care being taken a preserve the astrum box. A finant a catheter is then mistred in the natural to the contract of the desired portion of the practical to the catheter is the mistred in the natural is packed about the t be with recordom gauge.

The sternal editory canal is also packed with game and so per cert alcohol dresding applied over the wound, is changed daily. On the third or fourth day the antrum is irrigated through the cubtert and to the fifth any the packing is removed. If the auditory canal is day that he is irrnoved and from then on the wound is pa kel loosely natif-

scaled
The advantages of this operation re () Rapidity
of bealing. () Avoidance of egly disfiguring scars
(s) The voidanc of large permanent cavity hard
by mucous from the modile ear.

W LIER H TREOROGE

Compartiel Two Cases of Trepanation of the Labyrinth, Operation and Care (Z et Falls on Trepanation des Labyrinthes, Operation, Redung).

Dingle and S. No. 3 on 3

B Zentralbi I d pro Chir i Grenorch
T cases are reported to high supportative
odius media involved the inbyri th (rotatory dizz-

ness) At the operation both cases the posterior arch as operacy Uninterrupted recovery resulted. Dients

Bellows Aural Spades and Angular Correttes.

J. Opick Circ. & Laryupe 9 4 xxt. 5
By Surg., Cynec & Obst.

Bellows has denued the so-tailed and spacies for the separation of masses of impacted returner from the wall of the canal, it one point as the first step in a removal. They are non-cutting fasts ments, and subliciently than it be commuted in the meret chank but even the man and the creat wall, and it is sum turn are sufficiently strong a person of considerable pressure on the man't separate from the law for the lower than the print the ments of the control of perfect filtermission.

For me I conjunction with B ex ring curettes, the thor has designed series of angula curettes in blant form for removing cerumen and and atlor and along for operating Fuzza B Powton

SURGERY OF THE NOSE THROAT, AND MOUTH

Som N tes on the Treatment of Arrophic Rhinitis by Doriform Med Pren & By Surg Gynec & Obst. the ore, new 648.

This drug, greenish yellow organic powder was used as 5 per cent (corresponding to lodof rm 1 per cent) suspension in glycerin or olive oil, and pplied with such or spray It was very effective in trophic hinitis, in preventing crusting and ozena, nd of value in som cases of chronic otitis media. No toxic effects were noted and the autho considera t an efficient, odorless substitute for iodoform EARLS B LOWING

Gabell An Extrem Example (Untlateral) of the Antral Cavity Extending Between the Molar Roots. Free Rev See Had 9 5 vi. Odontol 28 By Surg Gynec, & Ubu 8cct

This report is the case f girl aged twenty whose antrum floor extended 6 5 mm below the roots of the second molar Between the roots I the first molar the floor stended down 4 5 mm completely occupy ing the space bet een the lingual and the dirto-but cal roots which et as part 1 its alls. On the right side the floor did not extend as I as the apices of any of the teeth. There was no hust my of trum disease d the wounds healed satisfactorily

Tilles e) An Instrument for Expediting th E aminution of Embedded Tousils. Proc Rep. Sec Med 9 3, Larymgol Sect By Sorg Gyper & Obst

The instrument is shaped like an irdinary Framkel tongue depressor but the distal end is replaced by a small oncave bar placed a right ngies t the shaft If the outer portso it h torsil is pressed on, the giand tends t face the observer. Often by this instrument may be spreased septs. ccumulatio which otherwise might pass unnot ced

FARLE B TOWLER

Peters Cyst of Arytgene-Epiglottidesm Fold Which Burst Spontaneously Prec Ray Sec. 20 Man 9 3 i, Larymeol Sect

By Sure Gymes & Otac

Symptoms I slight choking and loss of voice grew progressively worse over period of eight

weeks during which time the cyst could be seen to enlarge. At the end of that time the symptoms cleared up and the serous fluid could be seen coming from the rent in the cancule. The discussio brought out the necessity of using galvano-cautery or removing the cyst completely to prevent retilling EARLE B. FOWLER.

Hopenwell-Smith Th Structure of th Dental Pulp in Ovarian Teratoma. Prec. Rey. Sec. Mad 9 3, vi, Odontol. Sect., 1L. By Surg Gynec, & Obst.

In the discussion of a paper of last year Bland S tt n expressed the opinion that it would be of interest t know if the teeth found | ovarian tera iomata posacsa nerves The study of specimen which had been fixed en masse i formalin, rapidly decalcified, embedded in sat rated solution of dex urine and cut an eiber freezing microtome abowed small dimensio of the pulp its outline less regular the th normal organ and varying with the shape of the tooth itself. The pulp is composed of a tissue dotely resembling that i normal teeth. It has delicate connective there connecting of ramified cells embedded in slightly throus stroms and granular transparent basis substance, plentifully supplied with blood vessels and nerves. The odontogenetic one is clearly seen, the edontoblasts are short and thick, and the blood vessels run in the directlo of the long ams nd ar accompanied by prominent bandles (medullated nerve fibers which are large in proportion that those of dult teeth.

H. A. POTTE.

Von Tappelner Tuberculosi of the Cume (Uber Zahnfielschtuberkulose) Devische Zische f

Cally 9 3 could 150 By Zentralbil f d. gen. Chic n. i. Grenngeb Twenty-six cases of primary tuberculosis of the

gums have been reported. Thirty there appeared in cases with pulmonary lexions. The symptoms consist of welling, sponginess, ulceration and bleeding of the gums. In doubtful cases microscopical examinatio decides the question. Healing is usually very rapid after radical removal of the discused there. The a thor describes one case

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INTERNATIONAL ABSTRACT OF SURGERY

NOVEMBER, 1913

ABSTRACTS OF CURRENT LITERATURE

GENERAL SURGERY

SURGICAL TECHNIQUE

AN ESTHETICS

Krimka) Intratractional Exter Ameritania. Sets G not b'Obst. 9 L avii. 7 By Sets. Gynec. & Obst.

Knukal repris 84 cases I intratrached ether nanathers with the Eubern pourtus. Will be represented in the representation of the repr

In the grd and feeble the relief of respiratory effort removes the strain on the cardiovascular system and thereby minimizes post-operative shock. The return current of air pervents the labelation of blood and muces and eliminates a decided factor in the production of arpiration precumosla.

The technique of administration is that drocated by Enberg is finds that the introduction of the others has been extremely sample with the use of the jackon largement. The any difficulty experienced with the method is the fact that in a financial control of the
Michieham Orrigen and Annesthesia. Interest J. Serf. vo. p. rark, so, B. Som, Gyace & Ose.
Michieham quotes the experiments of Gatch in over ventilisting the lump post-operatively with oxygen in the presence of carbon doubtle retention, and after an exhaustive personal experience with the method it the close of drop-ther anesthesias, states that not only is it successful in eliminating states that not only is it successful in eliminating.

the remains of the assubetic from the aircuit of the turns, the circuition and the ceilluir tissues, the shot bit after storred of such retreathing, due the bits after storred of such retreathing, depending in length myor the time of veryions expectation, patients awaken in rational passession of their faculties, have no neares o venuiting, aloes the occessary manipolative traums of the operative procedure has evoded such referes, and seidom economic sensit of stated post-amentheir expedies as actionnia, uremia, eachs dilastion of the stomach, perido-obstruction of the to the reportances.

Bungs Experiences with Ameribeticum Novum (Erlahrungen mit Amerikaticum novum). Desimbe subabrai Fritzucke, g 1 xvi, sof

nekatral Fritzeite, 9 3 rvt, 201

By Zentralol I d. grs. Chir n. i. Grennych.

Ameriteticum novum consists, pro com I novo-

cain o superavala, no.5, exturat, cort. Hamaned,

N tr blorat, no.60, streitherd in the utoclave. It is prepared in Dr. Glariner a apothecasy
shop in Assel. I goo cases of dental operations in
which this anestheric was used the a thor observed
complet annestheria without suplement necessary
effects, such as welling of the soft parts, after-pain
or late hemorrhages. The time interval was one
half and te for the upper jaw one to ten minutes for
the lower jaw and thres t offeren mil tes to
produce tarethesis due to loss of serve conduction
with infections of no half it is return. Here,

Schötz Magnesium Narcosia (Zur Kennisis der Magnesiumnurkose) Wies, His, Webstehr 19 J. Stri. 72c.

sterl, 745. By Zentralbi, i. d. ges. Chic. n. i. Grennych.

In animals subcutaneous injections of a magne sium sait produce narcosis which can be stopped by injections of calcium compounds. Kocher 'illized these properties in the therapy of tetanus. Schutz's investigations have led him t the fallowing prehindary results. After a single injection of nonlethal, skep-producing dose f MgSO, r MgCO, magnetism could be demonstrated in the blood fiver and in traces also in the brain sheet for the fallowing the state of the could be also have be labilisted by restriction to the farm sheet relations remained uncertain an muscle. Softner state on the could be supported by the significant of state of causing the state of the state of the state of the state occasionally normals the sensit reseas to magnesism. Experimentally the inhibitory cities of calcium could be percented by sedum coulds. The experiments indicat (that either small changes in the ionic cell content are enough for marcosi set the magnesium invacion the cells only accordance and is primary at the cell membrane. As yet socious of the could be considered to the cells of magnesium some consider point of attack of magnesium and the cells of the cell

SURGERY OF THE HEAD AND NECK

HEAD

Spude, II. Successful Treatment of Cancer of the Face by Simpl Function with Ferrous Oxide (Eriogradia Industrial and Oxide Carlogradia Industrial Consecutivities of druk chiache Einsticketing von Encontrollung) Ziele f Kristigerik, op. 121, 59 By Zentroll 1. d. pn. Car. 1 Gerngeb.

The author has succeeded to behing over or conclusive carefulous of the face gents registly to include the careful to the control of the cont

Murphy J.B. Ankylod of the J.w. I terpost tion of Fings from M. come of Month. Surpost Clinks of John B. Marphy, 93, 14, N. 3 By Surg. Gyner, & Obst.

The patient ma of 8 in July 900 had an abnorm about moist roots in the most upper jaw. If as not treated for y eel, it me end of that tim the became was opened from a tim the mough and on terrized. A week latter an external focusion as made Only. Intte par was structured. Shortly after the operation onlylous began it develop not attending tree once. A year after the onest an operation was performed to rehew analysis, but was sunccessful.

ish, but was unancessation.

In our case the many control of the particle of t

were tongue-shaped, the lower s lockes long and is inch side, the upper s inches long and fine his like the expert flap was directed toward for an experiment of the lower forms and the contract of the state of the lower forms and the state of the flaps were setting to a displayed. The tipe of the flaps were setting to be times margin for the check. All statems was not be fine cargut, and no tension was everyted on the flaps were setting was done.

Park, R. Conchesion Drawn from Quarter Cru tury's Work in Brain Surgery H T S I Had 9 5, and, you By Surg Oynes. & Obs.

The paper opens with short history of the sovance made a brain surgery. The author then takes p the various brain leaders and discusses the question as t whether there has been any drawn the treatment in the just twenty is years. If states that the expectations have been much greater than the realizations. In the treatment of injuries of the ranium the results are gratifying. As far et the catal atracture of the brain permits, the resources t day leave little to be desired. He may further - I the treatment of hemorrhage apontaneous or traumatic, great advance has been made up the treatment of hydrocephalus not so much here th condition riself is almost insuperable. In the matter of technique great dvance has been made. We now have very nearly perfect contrivances for any manginistion which the construction of the parts may fustify Never wat I recently for mstance have instrument been devised by hich & appears impossible t injure the brain while perforating the skull. These, Hudson, of Atlanta, has

insily succeeded to predicting and this them, as the better as ince this descent, the matter of realist cateroplastic bun flaps of almost any girs or shore has been greatly simplified. With such instruction as these it is therefore comparatively simple sentitiration and it is a superior of the state of the contrainty and it is probability proven most effective in the reflet of symptoms of brain pressure produced b. Jesions not permitting reflex's stated.

The surgery of the hypepirus and one or to other of the recent methods of attack for particular indications re yet so recent as not t con whim the arms of this rener. They give every indication of brilliancy and promise but are still on trial

The utbor comes t the following conclusions The surgery f by tumer i general is still disappointment so far as radical measures are con cerned. In Il but a very small percentage of cases decompression operation all better serv the por pose Il th regard t becau precisely the min statement cannot be made because here unless the focus is found practically nothing is ecomplished but the localization of this focus is but slightly more accurate than formerly. In the matter f the leaster and the psychoses the operative measures are mple and the techniqu ufficient as 1 one respect the pieve tion i fresh dhescons more accurat notions regarding etiology are needed. and better discrimination bet een surrical ad non-

sontical cases I tracranul surgery has then made great ad ance but the hopes assed \$88 ha not et been I By realized in Q 3 Lowen L ton to

honiked W N A New Way of Attacking the Hypophysis (Lin proor West für Lingriff an der Hypophyse) Zestraßid i Chir o 3 zl 000 By Zentraßid i d ges Chur Grennigen.

Nowikoff has modified th. Lineakoff method of temporary resect on of the superior in villa ad the nose and orked out method hah render broad cress t the hypoph as t the under wrise f the poes ad t the elongated medulls. The proced to me as follo 4 passon the Lin me made for the appropriate each along the lower border of the orbit over the root of the nose, and dow along the opposit bords of the nose round the bourflit the midb The upper hp is devided i the media li The periosteum is arparated from the lo er ortatal wall t the nferior orbit I fasure. The bone is separated from the test see and the rygomatic bone with is i frontal processes is then exposed. The sygomatic arch. ml the frontal processes are do siled. The bons frame work of the root if the nose is se ed through after the I traduction of Gigf as 1 longitudinal increion is made in the mucous membrane of the bard palat of the opposit aid not the bone and the apertura pyruformis are divided with

The nasal septum is divided from the opening at the root of the nose. The maxillary bone and the some ca then he liberated from their bed and this allow broad come t the base of the brain. The sphenoidal sinus omes clearly t view ad fits anterior a ll is obliched y By means of a conchotome the other wall of the subenoidal sinus is then removed a tota. Thi exposes the upper wall of the sphenoidal sinus which at the same time is the floor of the sells turcics. This is carefully opened for a short distance. When the operator has made our that the cavernous sinus is not immedistrly above it the opening is enlarged sufficiently t expose the hypophysis. Watbout much difficulty the body of the sphenord bone and of the basal part

of the ordinital bone can be removed to expose the lo er half of the pom and the elongated medulla After the superior maxilla nd the nose have been replaced the base of the brai ca be drained to the outside. The author has performed this operation so far nly on the cadaver WOLFSORK

HACK

Mutachenhocher T The Treatment of Scrolulous Lympiati Glands of the Neck Von Mutschenhocher T (Wie behandelt man akrofulose Halalymphilmsen)?

Borl Klin o 3, xxy, By Zentrally I d ges Chir u. 1, Grenzgeb, The a thora experience includes about 1000 cases I lymphomata colli which he observed at the Rémeis chife in Budspest. Of these if r o of per cent were operated upon. The others wer treated conservatively. There are three types of this disease, each of which calls I r a particular method of treatment. Type I is characterized by short hard, non-cascous wraph glands. Of this kind ere 74 5 per cent of the cases. Notritious diet from and amenic preparations, climatic treat ment t the seashore or in the mountains, sunlight and R tgen-ray treatment give quick and good results. If the glands soften they should be pune tured. I'vternal polications (todine and mercury ontments) and poulties should not be used. Type Il m baracterized by closed and supportating glands. Of this form ere 7 a per cent of the cases of this disease. Since feer free incision, healing takes place ery slowly and leads to deforming scars, treatment ought to be restricted t punct re f llowed by injections (the a thor recommends iodo-form I giverin) Only in those cases that are complicated by ther manifest tions of suberculous (I pus laryngral or bone tuberculosis) should an open inculo be made. In Type III the glands reapparated and form fist lou tracts through the slan They abould not be excised, curetted, nor cautenzed. Sunlight and general treatment give vers good results. The application of green soap

In all cases of glandular involvement of the neck Haldeyer's lymphatic ring in the pharynx should receive attentio and appropriate treatment.

is recommended.

POP-EE

it refets G. The Effect I Thyroid Gland upon Blood Formation; a Contribution to the Physiology of the Thyroid Gland Number 2 (Rightkilons and behilkings, Betting are Phys-ical Contribution and Schilkings, Betting are Physstologie der Schilddrise. Mittelle, s.) ger Physiol o 3, chl 3

świ oschis ByZentrabk, id⊾ges Chr sciGrenzgeb, Manufeld attempted to discover by means of experiments on rabbits whether the flert of is k of oxygen on the formation of blood in t be attributed t increase in the activity of the thy rold gland.

I normal animals he noted the will known effect of high altitude upon the number of erythrocytes, but in animals whose thyroid glands had been removed the increase did not take place. The regeneration of the blood after phenylhydrazi anemia was much less proportionally in almale whose thyroid glands had been removed than in normal animals, this difference being most marked at high altitudes (5 per cent in abpormal animals as compared with 61 per cent i normal imak)

The harmoglobin of the blood increased t high altitude in normal animals but decreased in animals without a thyroid. The regeneration of the harmoglobin he found as not parallel t that of the erythrocytes but it took place t high altitud even in nimals without thyroid (arbot serum from animals without thyroid as as flective as that from animals that were normal. The use of this serum caused decrease rather than an increase in the red blood cells in animals ithout thyroid. Thyroid extract several days after Mansfeld had ceased administering it caused marked increase in the red blood cells. From two metabolism experiments carried on after the descontinuance of the defunistration of the thyroid extract ad i there was noted increase the red blood relia but no acrease in the nitrogen excretion, the silver concludes that thyroid material does not directly influence either the mirogen output or the astrogen 9 other metabolism experiments showed that the decomposition of Thamia camed by the lack of sufficient anygen buch the thor attributed t increased thyroid acti ty did not recur when the upply of oxygen funber Emited Manuf ld concludes from this i t that when the deficit of argen is slight it causes stimulation of the thyroid ctivit but hen it is more pronounced and of langer duration it inhibit the thyroid act it This cauteson

agrees ith those of Renh nd Blauel Manufeld conclumons re as folion Buch altitude anzesia nd C'rnot serum cause new formation of red blood. Its (as does the diminustra tion of thyroid) This depends upon the ri mulatio of the thyroid and an increased secretion New formation of crythrocytes, which depends upon the atimulation of the bone marrow by the th road secretion, therefore t kes place only ben the thyroid is activ. The albumus that is retained after the discontinuance of the administration f thyroid is used as the formation of the new red cells. An increase erythrocytes does not tak place during the administration of thyroid or dur g period of hypersecretion since at this time there is an albumin defeit. All of M nafeld findings need clinical confirmation.

Solaro G Ostsonarconna of the Thyroid Gla d (Outcomreceme de la glancie thyrotile) Clus cher q 1 mm. Dy Journal de Chirungle 9 9 ஊ.

This care observation is especially i teresting from the point of view of pathological anatomy As in most of the cases so far reported, the osteosarcome described by Solaro developed in gland that was already diseased (polter) It flected the left lobe ad it was possible to readily cauciest is lik a golter An infiltration, however treased with great rapidity

Histologically this growth was an ostrostrome simils to those that occur in bones. The sarcoustown theme is the youngest and most active met of the tumo nd by successive modifications R chapters to orteoxi, bony nd cartilaginous tiesae. In the recurring tumor there were found surcome cells broost exclusively ith but little boos and no cartfbac.

The orteosarrooms may have had its origin in as outcorense rest in the thyroid derived from the broughal apparatus, but the a thor prefers t consider it a direct metaplasia of the connective time. PITTER FRENCY.

Getti, G. Echinoceccus Cost of the Thresid (Kyst & échmocoques de la theroklej Clea. Arr 9 3 xxi, 7 3 By Journal de Chirargle.

A hydatid crut of the right lobe of the thiroid of months duration as observed in child of five. An attempt as made t exaclest the cost proper nd at capsule, but it ruptured and thyroid these had t be removed

The athor makes critical study of the laterature of the subject and as treatment, advises in order of preference empeleation, partial resection of the thyroni or marsupraheation.

Attention is called to the fact that Gattlemen the term portestion serve different from that in buch it has been used stars the ork of Delbet that speaks I enocleating the extraparasite sac formed t all off the parasite. as an hydated cyst of the li er woold he radically impossible. One may gree with Gatti, however if the latter proposes embeleating the hydatid eyel proper high in the case cited could be a bees casil accomplished as there were no dhesion bet een the cast all proper ad the thyroid capacie Prints Fatter surrounding it

Jamin F The Combination of Thyreces and

The subor describes cases in which more ar ies definit picture of thyrrons as recompanied by definit disturbances in the kidney. That this as not merely coincidence was proven by the effect that the one everted upon the other. The maldest cauca were represented by the so-called exthestatic albuminuria, especially that occurring an young girls. Although this condition is frequently designated as chlorosis, the accompanying rapid enlargement of the thyroid gland and the blood picture proves that it belongs t the group of thyrold disturbances. Besides the thyroid, also other organs of ternal secretion may be involved and may produce symptoms difficult to interpret I may cases dut rbances of development

are soon noted. In fully developed hyperthy roldism, disturbances in the kidney belong t the clinical pict re. These cannot be attributed to the cardiac injury alone they must have some specific came. They may come and go with the change in the severity of the disease. In one case that is described in detail the thyreotoxic patient had a very unstable nervous system and a prolonged in crease in the blood pressure. If suffered also continued disturbance i the kidneys that was manifested by album oria and polyuna other cases showed similar findings. Common to both was the thyreods together with the symptoms of status thymolymphaticus, hypertrophy of the left ventracle prolonged increase in the blood pressure and kidney disturbance. The temale sex of mature age seems especially predisposed. The increased blood pressure may be borne for years.

The pathograeds is not definitely known. It is highly probably that duturbance of internal secretion is the primary factor. Accidental injury in the kithery by splection or Accidental injury, or course, be absolutely excluded but the known, or course, be absolutely excluded but the known, or course, be absolutely excluded but the known of course, by all the me in more several it be known pathotic and autoportous nervous system has become hypersensitive by reason of the through the course hypersensitive by reason of the through the high blood pressure in these cases appears to be of due to an nervest openfact it resultance which is the course of the through the course of the cours

fractional rather than a morphological character. Attendactions is not latter the vacular system is still capable of adapting fisted and its nor this reason that the increased blood pressure can be will home. As to whether a internal secretion of the kiney errors into componential cannot be stated that the such exerction doubtle master, taked the contraction that they cover a composition of the components of the contraction that they cover and propie with contracted kinesy and hyperten sion, parallel is found to the cases described.

The therapy demands much care these patients do not stand operation as well as others. Ligation of the vessels may be attempted first. Digitalls is not of one. Leavisimeter.

Mayo, C. H. Surgery of the Thyroid; Observations on Free Thousand Operations. J. Am. M. Au-913, htt. By Surg., Oyacc. & Obst.

Sporadic, redemuc and epidemic gatters are found in all parts of the world, among all people and most animals. As yet a have no knowledge I specific allowing gard which can be regarded as the canadirest close in the production of gatter. The cork of the folder Commissions and the reports of those observers who have made study of the cited those observers who have made study of the cited those observers who have made study of the cited those observers who have made study of the cited where the control of the control of the cited that by any other medium, atthough we repeat probably not he sole cattered. The more repeat progress in the son-suppoil treatment of golder secus to indicate the use of thyrod, said and oddless intestinal santiseptics. Thyrod gland has an uncertain potency vet apparently produces favo

able results in the early treatment of simple golters. In exophthalmic golter temporary improvement may be obtained by the use of the \-ray The cytolytic scrums for specific action in the thyroid have not born out in results the expectations of the medical profession. The thymus gland and the thyroid are undoubtedly intimately associated in the growth and development I early life The thyroid may be of great size in advanced middle age, compressing the traches at, or just bove the bifurcation. Such complications are more common and more grave in golders I the hyperplastic type. Large right-sided goiters frequently produce parests of the left recur rent nerve, and it is theref re advisable to make a taryneogropic examinatio before doing a thyroid ectomy Extensive exposure of the nerve is advisable nly in an operator early experience, operating nodular thyroids which extend beneath

the traches and have displaced the nerve. The scar there which results from the trummation of free exposure may lead to eccondary paresis. In performing thyrodectomy the best exposure 1 be obtained is through transverse incision low in the seck, the sift and platyman turned together both ys from the incision. Should further exposure to necessary the servolovid can be sectioned high

the exposed area. I simple goiter it is best t esturpat a greatly calarged lobe. If both lobes are mmetrically enlarged division of the isthmus with double resection of glands is indicated for the best cometic results. Midline, encapsulated adenomas should be enucleated with division of the inthums. Lateral encapsulated adenomas may be exacteated or the whol lobe extirpated. If symptoms I hyper thyrosdism are present extirpation is indicated Excl ding mangrancy the mortality in operating on gotters is very low (3) and varies but little in the so-called simple gosters, in which class are included occasional complications, no the cases of so-called exophthalmi golter with hyperplants glands. I the good operations in the thyroid in the citals at St. Mary's Hospital during the 5 years ending My 4 o 3, there were a396 operations for simple gotters which included transplantations in cretime, 59 operations for malignancy (5 care. 7 asrc) and ne to syphilitis thyroid. There were sos operations for exophthalmic guiter and soo early operations which were not classified.

In discussion, CHLI confirmed Mayo a condinous by his own experience, having operated over eight bundred cases of gotter of all types and varieties. It has seen I see cases! which cancer of the thyrood, not suspected before operation, but found by the pathologiest, was cared. The safety of the operation for coloid potter is so great at the present time that if the patient demands operation, one is justified in removing the gland for comertic ressons. The care Mayo suggested in the preservation of the voice is excellent. Crife has found that no may take set the rule tole carrying the dissection right to the edge of the capsule, using small hemostats, and keeping bloodiess field to that no can see the lymph vessels as they run out of the gland from beginning t end of the operation. In this way it ould be impossible t remove either parathyroid or to injure the recurrent laryageal nerve

Passing 1 another subject be values that commission might be appointed for the perspose of investigating the deducent persod of children kving in positrous districts. Crile believes that the syrup of ferrows looked in five minus doses, three times daily for persons of most had ing every pear all control nearly all cases of simple hypertrophy. One of this factors in the production of adolescent potter like! I the produced a lance! I the constituents of the earth where iron is not found as it doser was. If foods that chencelly once a male avery accurate the produced and the constituents of the control of the constituents of the control of the co

If believes that there is a greent feeling not only among urgons but also among patients, that exceptibilities getter is a disease that should not be allowed; to on until the stage of degeneration is reached. Cribe believes that the lat results of the disease are largely noter centred. One as operation we detected the pre-tributed may be desired to the

hange for the worse t the end of the operation, no matter how severe the case how large the gland, or

how rapid the pulse rate

Porter I jection of Bolling W ter in the Treat ment of Hyperthyroidism. J on M An 9 g. id. St. By Serg. Groc. & Otst. Date: Annalescen is the terretreest of anticonte

Porter experience i the treatment of anglomas by the i jection of boshing—ter as first advised by Wyeth, led him t—use the method—three classes of cases.

1 Patients too sick t be aif surgical risks, not those having dividing or substernal gotter the removal of which would be extra-hazardous. Patients presenting mild symptoms.

3 Patenta who reluce, major surgical procedures the has treated over 1 enty cases, representing in all more than one in whred 1 jections. From one there 1 jections were given teach treatment, of from 4 t 100 mm/ms. The lajection of boiling water int the thyroid gland is and procedure. The immediate effect of the 1 jectio is destruction of thyroid (tells results from the formation of thyroid cells results from the formation of thirty of the consequent the injection. I. G. Dw

Dufour P Two Cases of Hemithyroidectomy for True Esophthalmic Getter of T bercatar Origi (Deux ou d'bénsithyroidectomic pour gestre empithalmagne vrai d'origne tabercaieue) L'ouseel, 9 L cx No. 4. By Journal de Chicargie.

Dufour reports t cases in hich Leriche per formed partial thyroidectomy for esophthalmic golder. The first was that of patient 41 years old who had had an enlarged left lobe for two years with pelpitation tremor diarrhora, and tachycardia but only slight exophthalmus. Fifteen days after partial thyroidectomy had been performed only the tachycardia remained and this was improved. second case was that of a nationt 33 years old who had had golter slace she was 10. Symptoms of Basedow a disease appeared in September o o. In May o she had a acute Basedow's disease and after symptomatic treatment i improve her condition she was operated upon in August, 101 under local anxisthesia. The tachycardia and perrous ness have disappeared but after five mooths the patient still has slight tremor afthough she is otherwise in excellent health. Four other rantal thyroidectomics performed by Lerkhe and Poncet have had equally good results. To of the patients ha remained in good health for four yours. The finding of a berculous lesions i two cases tends to substantiate the statement of Poocet and Letiche that certain exopthalmic golters are of tebercular

Eppinger IL Basedon Disease (Die Bereiowske Krankheit) Hands d Vernel, o 3, br. By Zentralis I d. gos. Cler u. L Grenzels

The article is discussion of Baselon discussion of the basis of our privent haveleng and the author steels of the condition. After causering in detail the well how a symptom and weighting their relative importance the whole enlarge on his own bitson. Experimentally, the condition of the conditi

The paragraph on differential diagnosis is comprebensive. Typical cases are easily recognised. Atypical forms presenting only one or t symptoms can be clarified as ampatheticotonic or agotonic. Other subject discussed are The relation of the thymus t D volow' disease struma baseds ficults, the various cardiac findings in goiter glycosurfa in Busedow' disease Kocher and Busedow disease in hildren Jodbasedow The numerous complications of the disease can best be studied from the original article. Considering the bulliant operative results of Kocher | Ith 76 per cent cures, tbe ther recommends the surgical treatment decidedly However removal of the thyroid is not without risk. Even kocker reports mortality between 3.4 and 6 7 per cent. Recurrences are not rare. A vascular appearance of the golter con-stitutes indication for operative therapy X-ray treatment should not be need. Although the best results are obtained by operation, internal therapy is by no means valueless. A dietetic-b gienic régime is essential. Of medicinal remedice the

thor has successfully used stropts sulphate in pulls (o coo 3) two to three times daily expectally in cases with severe diarrhees. Dijections of idrenalin are suggested so to go drops in so gm. of warm water should be allowed to flow in slowly for 51 o minutes. Calcium carbonat is also recommended. If there is no improvement at the end of from one to three months under medical care, operation is indicated. The author supports Mayo a suggestion to give atropice (beliadones) before a general ameribetic is administered, for he believes that the se-called thymus-death is nothing more nor less than a result of abook which seems to affect principally the vagues.

SURGERY OF THE CHEST

CHEST WALL AND BREAST

Evans Cancer of the Breast. Practitions Load.

9 2, 26, 7
By Surg Gynes, & Obst.

The tubor believes the mode of local extensio of acrinoma is best described by the term infiltration process since it travels by way of the lymph channels, and does not spread like a wave from a coursal focus, as would be implied by the term permeation. Attention is directed to the single-spread like a supplied by the control of the single-spread like a supplied by the series when secondarily branked it may lead to the belief that two primary fod exist. Other between whose secondarily branked it may lead to the belief that two primary fod exist. Other diseases may involve it at the lead to confusion in disposits. Retriscions of the nipole or tissue of the breast is on in these landstone in miliginary but if each efeoding of the breast fait to cause a for time the single or the single or disease of time the single or the single or disease of time the single or the single or disease of the most fait to cause a first of time the single or the

The teaching that chronic interstitial massitis may become miligrant is considered unavoid by the author for the reason that fibrous tissue cannot rever to proliferating cellular growth. H is bring letagol as an aid in differentiating malignant growths from chronic interstitial massitis with some

Interesting papillary growths from the doctaeliber intercyctic or proteoring—are to be coneliber intercyctic or proteoring—are to be considered in the differential diagnosis of carcinoma. Also in every case, the involvement of suprachivity in lymph glands, secondary to either carcinoma of the breast or to carcinoma elsewhere in the body abould be carcillary ought for

The author believes that carry thorough, radical removal, which includes the pertoralis major muscle as well, is the only course to pursue. F. R. Rusy

Ritter The Prognosis of Cystadevorus of the Breasts (Zer Prognose des Cystadescoss saturals). Mesebole / Gebertal. Gyade 913, xxxv9, 639. By Zestralli L d. gas. Gyatta. as Gebertals a d. Grenagab Pollowing the removal of both breasts on crossns

of critademona, carcinoma developed in the stilla, which is now recurring. At the time of the removal of the cytademona, microscopic examination revealed no indications. I cartinoma within it. The author critains the extraordinary growth as follows. In seven cases operated upon for cytademona, he found lymph glands in the asillary space which seemed to be still in a state of development and of type that occurs only in state one of the nammary gland. The presence of these growths in the cases described makes it seem probble that, though cystadenomata are generally benign, they nevertheless possess characteristics of malignant tumous which may cause the development of exister after they have been removed, more of the present of the properties of congional pumphatic plands in every case of cystadenone of the levals.

Gourdon, Bünterni Sterno-Clavicular Dislocation of Congenitud Origin (Lundton sterno-claviculate blattanic, d'origine congenitale). Res. Seekey Par 9 3, ir 304. By Journal de Chirurgie.

I this article Gourdon reports the case of a boy of 5 who was suffering from alight dorsal hyphosis and bilateral sterno-clavicular dislocation. The dislocation was complete. Gourdon points out the difference between huzztlen of this kind and the subluxations often noted i young girls. In the case reported it was possible by painstion to twist the entire internal end of the clavicle around. The movements of the sterno-clavicular articulations were much exaggerated and aloggish. The ttention of the boy and his parents had never been drawn to the luxution of the articulations. Gourdon believes that although the dislocatio was not noticed until late, it was a deformity of congenital origin and was due to the absence of interarticular fibro-cartilage. W believe, rather that it was the result of an atrophy of the osseous extremities and a muliormation of the articulations and the entire ligamentous connection.

The prognosis is bad, as the deformity has a tendency t become eragerated and it is difficult to correct by any method (arthrodenis, resettion of the clavide bandages, pressure, or casts, etc.) Ocurion recommends no therapeutic treatment

for such cases. The projection of the clavicle is of little importance if as in the case reported, the patient has the use I his limbs. Assert Moccour

Schepelmann, E. Thorncotomy and Hydrothorax (Thornkotomic and Hydrothorax) Kles. there; Websole: 0 L xt. 68

therep Webstele 0 1, Et 01 By Lentralbi. L d. gen. Chic. z. l. Grenngeb.

The uther has conducted a series of experiments on animals to verify the conclusions of Teske as t the effects of artificial hydrothorax. Single and double pseumothors were produced in guines pigs under the influence of morphine. Observations are then made of the frequency of respiration for removal of the pressure and also after the injection of physiological salt so those and oleve oil far the pictural Cavilles under normal pressure. With unitarial pseumothoras and normal pressure the type I repitatio was favor thy influenced t sight degree by the injection of unit solution, and it

degree by the injection of sait solution, and t greater degree by the injection of oil. The good effects were more marked when the quantilities of the fluids injected were large (several tablespoonful). When both pleural cavities were opened neither the sait solutions nor the oil had any flect upon the rate of resignation.

The explanatio given by Schepelman for these phenomena is as follows. In unilateral pneumothorax the weight and pressure of the injected fluid put the mediastinum at rest and does away with the jurious mediastinal fi ttering, so that the normal lung can breath quietly. When both pleural caitles re opened mediastimal function is surpended and, as result the beneficial effect of injections of finids have no chance t manifest themselves. The results of the utbor' experiments do not gree with the theories of Teak either with regard t the effects of artificial hydrothorax or t the explanations in general. Nevertheiess, Schepelmann advises, beside the free opening of the thorax, the injection of warm physiological salt solution int the pleural cavities t prevent the harmful drying of the endothehal surfaces of the pleurs, and t minimize the danger of infection. At the end of the operation decided increase in pressure of the finid washes out any germs that may have entered. Moreover the saft sol tion remaining the chest is more easily and quickly absorbed than the air in pneumotheran.

Schur II., and Pisschkes, S. The Indications for Artificial Fraumethorus in Fulmocary T berculosis (Zor Indicationstalling of Phesinothoraxichandlung ba Longentobrikolae) Illusi

Hi Websteler 9 3 xxvi, 962.

B Zentralbi, f. d. ges Chir Germagab

The a bose brighty report their experiences with the promunodorast treatment in cases of pulmonary tuberculogia. The best results were brighted as severe cases that showed marked inversement of one side only. The general condition improved in principal to the aspect. Increased in general, the results obtained military of the control of the condition of the cond

The authors cond cied experiments on animals t determine the cause of the favorable influence of poeumothorax upon tubercuis longs. The results aboved that the compressed long can be infected artificially with tubercie bacilli introduced intra one of the compression of the compr

nously or by labelation quite as reachly as the heaking lung, and that therefore the favorable influence of the treatment is due, so to the conspension, but to the changes in the connective tissue of the lung that occur in the period of measured-loss.

occur in the period of pneumothorax compresses. From these results, as well as from the clinical findings, the uthors conclude that in mild cares without severe general symptoms no improvement can be expected from the insuffiction of nitrogen. When the constitutional symptoms are severe however and are due principally to involvement of ne lung, this treatment is of value, since in such cases, by reason of the compression of the king and the resulting blocking of the blood and the lymphatic circulation, the bacrotion of torines is made much more difficult. Advanced involvement of the other lung, cardisc defects, kidneys affections, and ex tensive pleural adhesions are contra-indications to the treatment. Description

Raufmann, K. The Technique of Artificial Passmothorax (Jar Trchack der künstlichen Passentitenax) Internet, Zentralle f å ger Teierbel. Færdi a å till 200

9 5 vu 320 By Zestralbi L.d. ges Gynek u. Geborsh. d. General

Kaufmann pres Bruoer's method of nesion he preference we re the method of penetrer Te deadwalages of the flormer are the occurrent is touch employees, which is election sheet; and the procedure is not successful Kaufman meetines trop penedul observations of these unbornant complications. He has ttempted to overcome the defensations of both methods. His procedure like the president of the control of the procedure of the president of the presiden

The skin and also the underlying there are the infiltrated with the anesthetlang fluid as far as the percenteum of the mner margin of the upper rib A trocar the lumen of which just fits omen cannula approximately 5 mm in thickers, is then plunged in up to the infiltrated rib near its inner border. The stillette is withdrawn and the Selomon cannula is inserted up t certain merk on the trocher hich a well fixed on the rib. The patient is then told t breathe deeply. At the same time under gentle but steady pressure the trocker with the cannula is inserted int the intercontal space. The blunt point of the canania thereby immunates stacif between the bundles of intercosts muscles. The tense pleura is penetrated it's one stroke the cannula being held somewhat obliquely The lateral opening of the cannula, the position of the mark above mentiosed, which as indicated should be turned toward the pleural opening either above or below. A soft sound is used to determine whether the free cavity has been reached. Oxygen should alway be introduced first. For this purpose a small modification i Brauer aitrogen apparatus is essential. The latter is described by means of diagram. SCHOOL ACRES.

Tuffier T Final Result of an Intrathoracic Subplearal Graft in Case of an Intrapolitocoary Supportative Cavity on the Right Side (Risultat ficigod d'une prefi soin-discrançae sousplemais dans un cas de cavité supporte intra-polmosany droite). Buil et seen See été dir d' Fer 9 3 veris, 700 By Journal de Chiruppe.

There reports the case of patient who had a depression in the bony framework of the thorax which was due to a large intrapolinously carly caused by grading into the plearal cavity. I arge lipomatata had been preserved on use 'at the present time, two years later the patient is in the best of height the thorax is symmetrical the destrix clastic, hite and without dheedons. There is no purplest experiences and annual time in the are no alsocimal sounds. The patient works with out faithce or pain.

J Drewort

TRACHEA AND LUNGS

Derjushinsky S. E. Artificial Breathing Continued Successed By for Fifteen Days (Eriolg rebbs connecterochems kinsibles Atasang im Laid von § Tagen) Ferband d XII Kesz rett Chir § 3, 24, 503 E Zentribl i d. ges Chi. Grouspih

Country Derjushipsky reports the nly case that is know of artificial respiration could need successfully for fifteen days. The patient had pain in the neck and after six days was dmitted t the bomital with paresis of all the extremutics and facial paralysis on both sides bilateral lagophthalmos, and paresis f the mindes of mastication. The pupil reflex as eak, and Babanaky reflex was noted. The temperature and the condition f the aternal organs were pormual. At the end of the meets there as complet paralysis of all extremities ind gradual cessation of resolvation. Artificial resouration was then begun, and as spontaneous breathing did not return it as continued for fifteen days without interruption. For the first three days the pulse was rapid (oo- so) from the fifth day on it was normal. Spontaneous breathing began gal after fifteen days, but stopped after tive days. Artificial resps ration was then carried on for three days longer after which normal breathi g was resumed. For the following three weeks the patient suffered from croupous preumonia and ntestinal paresis. Muscle atrophy was marked but it duapper ed completely though slowly fter massage and electrical trest ment. I four months the patient was discharged.

Petrén G Palmonary Emboliam na Ca se of Pest-Operative Death Gassien sher obtainerende Languacahofa als postoporative Todessyanch, Behr z. Hin Chin, 9.3. https://doi.org/10.1006/j.j.com/pc.1

She has been Il ever since (eleven months)

By Zentralbi I d ges. Chir Groupeh.

After brief historical review the author draws conclusions from study of vast mount of mat

rial some of which is his own. Death from pel monary embolism occurs most frequently after laparotomy. One per cent of those operated upon from young, the same percentage of those who under go laparotomy and about two-te tha per cent of those operated upon for bernia file of this condition. Embolism is as frequent in one sex as in the other it does not occur before the fifteenth year. It is common between the thirtieth and forty fifth years and most frequent in latter years regardless of the general condition of the patient.

by no means constant finding. Petrén next discusses the pathological anatomy the localization and the origin of embolism, T o-thirds of the fatalities occur between the fourth and fourteenth day after operation. I the case of patient in whom a positive diagnosis of thrombosis has been made the danger is relatively less. Slight embolism may now and then precede the appearance of a thrombouls that is already present but has not yet been diagnosed. Mahler's symptom was not typical I any of the author's cases, ad only exceptionally does it precede the appearance of n embolum that is fatal. It is quite improbable that embolism is caused by infection. On the other hand, cardisc weakness is often noticed in this condition. Also changes in the blood inself are no doubt contrib tory. The prophylaxis consists largely in preventing the formation of thromben. This ea be accomplished by early rising after operation, stimulation of the heart, respiratory exercises, and free evacuatio of the bowels. When thromboals has already developed baolus rest is imperative. This must be required also in cases in which thrombonis is merely suspected. I conclusion the author discusses Trendelenburg operation, and reports observations made i some of ble own cases.

HEART AND VASCULAR SYSTEM

Jacob O The Treatment of Tubercular Pericarditte by Pericardotseny Without Drainage (Traitment de la péricardit tuberculous pri pritardotenie man drainage) Bull et son Soc. de chr d Par 9 3 2003, 75

By Journal de Chirurgie

J cob recalls that to years ago Rochard made a report t the Society is regard to patient uniform from t bermal pericardins with great servbensale efficient. A pericardictory without drain between the period of the period of the recovery reason to the period of the period of the years unevertified to this period of the recovery reason to the period of the period of the period power sodifies auffering from tubercular period distable and the period of the period of the period of the 1 bits case host be patient was earlierly cured.

There ar therefore, I reported cases of inher cala pericardita that have been treated and cured by pericardotomy thou drainage. These two cases seem 1 be important and t speak in favor fibe treatment and technique that J cob recommends.

1 Dexory

PHARTNE AND GEOPHIQUE

Guises Cangenital Stenoses of th (Esophagus (Les sténoses congenitales de Porsophage) Res. mil., 9 3, xxl, sóz. By Journal de Chierrele.

Congenital steeds of the oneophages is true. Gesies observed only 4 cases of its 1,00 compolarges copies. In all of these cases if occurred in the region of the cards and all of the patients are naises from 0.1 to years old. Each case had been previously disposed as a gra a spasm of the enophages, but the spasm 1 reality was only accountry 1 organic stenoits.

(Zaopharposcoyy, which is the only means by which as eard diagnosis can be arrived at, has shown the same thing I each case. I the regno of the cardin there is a sent of water more or less indiamed, medified by coophaged perfugies but it is easily recorpulable sharp horner. It is impossible to confound these cooperated strictures with spasses of the complangia, in which the ordice is contracted and serrated or the be inflammatory serrouts, in which there is no waiter-like appearance or with present the contract of the complangiant of the complantial strictures which present on which there is no waiter-like appearance or with present of the complantial strictures and serrated or the sufficient of the contract
The progress is grave but depends essentially on the degree of stemosis and the treatment.

The treatment esed as as follow a. The croopbagitis, which in II stetuces has bed effect, was reduced. This reduction was ac compilated by proper diet and by in uge of the resophagus four times. day eith an alkaline ter with the aki of Taucher tube.

The opening was diluted by olivary fillions bougles. A fine bougle was left in for several hours

I make passety

3. It is nearly always necessary to actually cut
but three cases he used circular electrolysis. In
these fortances the congenital strict re as ar
commanded by a flight contrictal stenotic, and the

efectivelysis gave results that could not have been obtained by emorphagotomy. When enough of the valve is destroyed and the

emophagitis has been reduced by alkaline lawars and proper diet, there is but alight chance that the scenaria will recur I all of the cases reported by Guisez alimentation rapidly became normal.

J Drame.

Generative A Cose of Thomphagitis Democrate Following Potenting by Acetic Acid (En ref. won Company). Benefit of the September 1 for the September

On the seventh day after taking scrile acid the patient jected during an track of vending the mucrous, submucous, and part of the noncolar, layers of the enophagus. The structures retained their i bular form. Twenty cases of enophagus dessection have been described in the literators, but on one following molamings the sorble soid. The one case following molamings the sorble soid. The

dessecans have been described in the literature, but no case following poisoning by accele add. The thor betieves that the occurrence of this conduitor ould be noted more frequently if the woulders or more carefully examined.

Reich, T M Types of Occination of the Clargesqua in Early LM Ass. J. Dis. Children, 1913. vt. 1. By Sary Gyner, & One.

This article is a report of three cases of orchasos of the exceptages and is well illustrated by Very pictures. The furn case was that of boy gossells old. The articluse as ery tight. Gaugestony as performed but the child died.

as performed but the child duch.

The second case as is gift o years old. Chape pulp and penny ere found in the copolages. The cosophagus was very much dilated in the lower third at distance of 25 certimeters from the texts there was africture one shalf continueter in disnect.

The uncerne was dilated with the cosophaguous performed to the complete of the complete

and the patient recovered.

The third case as that of boy five and three quarters years old and was really spann of the orsophitus.

Curyonn O. Gartin.

SURGERY OF THE ABDOMEN

ABDOMINAL WALL AND PERITORRUM

M rphy J B. Desmoid T mer of Recrus Muscle. Swpical Chairs of Jake B Marphy, 9 y Q, No. y A woman of It entered the boupital on account of

A woman of 11 entered the negotial on account or a tumor in the right rectus how the smallders. The tumor was first noted some of weeks previous as hard and the last 19 souths of pregnancy the well careful more or less constant pain in the report of the tumor. The pain grew worse bott disappeared after parturition. There had been an change in the size occupiency of the tumor of the paint of weeks, and

it was never tender. The patient's personal history was negative. Her father mother and brother had died of carelnoma.

and to excendence uses we should I be the size of a toperation the same we should be located of the demander of the rectangular to review of of the dismeter of the rectangular tops the posterior layer at the about he and give out that the smalle. On operation at was separated from the performan without opening the latter The recevery was successful. The atkeless were removed on 4th day and the patient was discharged on the side yield a day being advised to wear an indominal support for some time to give the tissues every opportunity it units notify:

L. J. MITTERELL

Preoping, K. Rehn Treatment of Peritonitia (Die Rehnsche Behandlung der Peritonitia) Deutsche

med. N'cherche o 3 mmr., cool. By Zentralbi, f. d. gan Gynák, a. Gebertah a. d. Grenngeh.

For appendicitis peritonitis Propping recom mends Rehn's treatment, which consists in a median incision, irrigation, eventration, and drainage of the pouch of Douglas. The article is mainly a criticism of comparison mad by Scheidtmann of the method of Rehn with the method of Rotter The αf latter consists of irrigation of the abdominal cavity and mopping without drainage. Statistics of the last two years show an improvement in Rehn's mortality percentage. It is evident from the article, honever that good results were obtained with both methods. The mortality in Rehm's cases during the last year was eighteen per cent, as against twenty four per cent for the year previous that in ISTUR. Rotter's cases was 1.8 per cent.

Blecher Comphorated Oll in Peritonicis and Abscesses in the Pouch of Douglas (Campberol bet Perhanths and Douglassbacess) Manchen med. Websieler, 0 3, br, 10 By Zentralbi, f. d. gas, Chie, u. l. Grenzgeb

The author treated five cases of severe peritonitie, that occurred in fifty appendectomics, with one per cent of camphorated oil in amounts as large as soo grams. The rapid improvement of the general condition and the itimate recovery of all of the patients were attributed to the campbor treatment. In all of the cases an above was formed in the pouch of Douglas, which was also stelluted to the camphor treatment. The oil checks the absorption, and reflex inflammatory process that begins later

causes an increase in the exudation. If there are no adhesions the exudate drains dow easily between the oiled loops of boxel. The beavy exudate, covered by a fine coat of oil, is retained in the dependent parts of which the pouch of Douglas is the lowest point. In the cases of acute paralysis of the stomach when the pelvis was elevated for few days the formatio of the abscess was delayed. Former ly the emdate from the pouch of Douglas was re garded as favorable rather than an nfavorable symptom. T prevent such an exudat glass or rabber drain, without gauge should be inserted int the mc. WORTHAN'S.

Histel, F Tubercular Peritonitis (Die tubercular Personalità Erreba d. Chir Orthop 9 3, vi. 370 By Zantralbi. I d. ges Chir n. L. Granngeb.

The author reviewing the more recent literature. refers to o articles on the subject, which contain the latest ideas on the etiology frequency and prognosis of this condition. The greater part f his article is devoted to discussion as a whether the condition should be treated surgically or by the nonrurgical or so-called conservative method

The author personal opinion is as follows seems to me that the patients on whom isparotomy is performed have decided immediate advantage

over those treated by other methods, but the longer they are kept under observation afterwards the plainer it becomes that they gradually lose this advantage, and the prognosis becomes about the same as that for the non-operated patients. In any case, after laparotomy, careful internal and restor asive treatment abould be pensisted in for a long period, if possible in a mostorium, a requirement that in most cases is difficult to meet. Hartel's article is more of a commitation than an expression of opinion.

Stocker S. The Employment of Tincture of Iodin in Dry Peritoneal Tuberculosis (Die Anwendung der Jodinktur bei der trockenen Peritoom | tuberkulost) Schweiz. Rundschau f Med.,

9 3 xIII, 745 By Zentralld £ d grs. Chic. p. I. Grennich. Stocker after employing the bot air treatment in

cases of peritoneal tuberculous with unsatisfactory results, endeavored, following the suggestion of Hofmann, to obtain a more powerful hyperemia by applying tincture of lodine to the peritoneum

Experiments with rabbits showed that when the bowels were painted with tincture of fedine no adhesions were to be found when the abdomen was opened later fostered the surfaces were quit smooth. In six other rabbits the abdominal cavity was opened and a freshly prepared emulsion of tabercle bacill was painted on the peritoneal surface of the bowel. In three of these cases the application of the emulsion was followed with a coat of tincture of iodine before the abdomen was closed. In the others no lodine was used. At the end of four weeks no tuberculous changes were found in the animals in which the pplication of jodine had followed the introduction of the tubercle bacille, and there were no adhesions. The other three animals showed distinct tuberculous changes. To these last three animals tincture of iodine was then applied as it had been applied formerly in the other three cases. At the end of two weeks there were observed definite retrogression of the changes. From these experiments the other concludes

that tincture of iodine exerts a direct curative infrance upon tuberculous processes that the danger of the formation of adhesions as the result of its use is much exaggerated and that the application of the tlacture of lodine may be safely employed in the esse of the human being Stocker reports the case histories of two patients that he treated with good results. Contrary to Hofman a observations. ascites did not develop in these instances. Wart,

Russanoff A. G. Tubercular Peritonitis and Its Operativ Treatment (Zur Frege der Bauchfelltsbackulese und farer operativen Behandlung). Diese-

heises, Moscow 9 3.
By Zentralbi, f. d. gra. Gynak. Geburtah, s. d. Grenzgeb.

The first part of this dimertation is devoted to a careful survey of the literature, the pathogenesis, the ethology and the ymptomatelogy of t berculosis of the peritoneum. The second part is discussion of the operative treatment and the indications for operative interference. The author has had twenty four operative cases, nineteen women and five men. According to his at tratica. tubercular peritonitis occurs most frequently in

women. The prognous depends on the character of the tubercular process and the involvement of other organs. Operation must be performed early while the general condition is still good. Adhesions should not be broken up except in cases of intestinal obstruction. Eight of the author's patients that were operated upon dled two at the end of the sec and week, one at the end of month one after three months, three after six months, and ty, after one year. The cause of death in all of these cases was progressive tuberculosis. In nine instances the patient remained well for periods varying from two to five years. The prognosis is best in fibrous tuber culouis, and worst when caseous grapulations are

formed Dietary treatment according t the is pert la importance to operative treatment Puncture of the bulgaten should be substituted to eperation only in those cases in buch senious disturbances in resolvation or circulation coatra, indicat laparotomy Mild tracks of the disease especiali in children, should be treated conservatively. In ecet cases presenting the picture of acut supparative peritonnis operation is inducated. If no serom exudat is found tampon should be polied Conservative treatment is best for dry perstones? tuberculosis with adhesions. In concinsion the pthoe gives ninety references from the literature.

Priedman, L. R trograde Incarceration - Herale ea W Surg Cymes & Okd 0 3, xvii, 97
By Surg Gynes & Obst

In the type of trangulation known as retrograde incurceration, the incurcerated portly of hermaated organ lies, not in the hernial sac, but within the abdomes near the Bernial constricting ring, bile that part of the rgan lying t ward the periphery from the hernial orifice and within the sac is nearly normal or usually abo evidence of oals moderate interference with its blood supply organs involved may be the ppendix, fallopian tube, Meckel's diverticulum, omentum, and intestine (most often the small intestine). When the intestine is involved, two or sometimes three distinctly sepa rat loops of gut are found in the bernial se the incarcerated loop, or so-called connecting loop, is within the abdomen near the hernial

Thrombods of the mesenteric vessels and harmor rhade infercts in the mesentery are present in severe cases of consecting loop incarceration Clear turbid, or bloody fluid is present in abdomen. The symptoms and diagnostic signs depend upon the length of the incarreration and are sa follows

 Large-sized tumor in scrotal region, sometimes asymmetrical

s Colleky pain in lower abdomen on the side of the hernia pain on pressure on side of hernia immediately above Pounart ligament.

3 Rapidity bove Pospart' ligament on sice of hernia

4 Local (ympany 5 Presence of sausage like mass in lower bdo-

men on side of bergia. Perceptible asymmetry of lower abdomes, the hernial side being blaber

7 Duliness on percuadon i flanks due to fuld and perceptible fluid wave.

8 Blumberg's sign of peritoncal irritation. o. Greater becominal than scrotal tenderness.

After opening the sac The presence of two or three distinctly separate

loops of gut. z. Escape of field, clear or bloody from the abdominal cavity

Press A New Case of Hernia Subtransversality (Em neuer Fall von Hernia labbles posterios; letter subtransversalut) Gyadh Rivatiches 9 5, 2, 201. By Zmitzilbi. I d. gra. Oyusk, n. Gebortsk, n. d. Grangek.

The author reports case of hernia authorans versalis, operated on by you Franque, thus adding one case to the ten bitherto published. Like you Winled by differentiates beenla subpubera, hernis ischisiket and hernia subtransversalis or labialis posterior In the third, the hermal complar is bet cen the rectum, coccygres, tuber bothil and m. trans. med perines. These perincal herains are caused parily by the passing of the intestinal loops through rosgenutal gaps in the privic floor. The gaps may be enlarged by lacerations during parternion and especially by forceps delivery. By the great strain upon the bdosmaal musculature intestinal loops or omentum may then be forced through. These berms have the opening in the m. levator and and the sa is formed by akin, fat these superficial and privis fascis subserous and performents. Zuckerkandl and Ebner are of the ordinon that permeal bernus occur only with congenital invagination of the peritoneum int the pouch of Dougha. The uthor considers this predisposition but not conditio runs qua su. T congenital perioral

heralas are described in the literature You Franque laid the hernial opening free, exist pated the sac, closed the opening ith frontal outures and pulled the levator and over it to the or public without grasping the periosteum. The opening was on the outer border of the public part of the levator and at bout the height of the middle of the

periscum and close beneath the transverse period. The patient has bad no relapse for two years and The findings before and fter the operation are illustrated These herness may be treated ith trusses if there are no incurrentions and if the hernias can be re-

placed otherwise operation is necessary Knoor

Santucci A. A Rational Deep Suture for Bassini Operation (La sature rationelle d plan profond, dans le procédé de Bandal) Cli chr By Journal de Chirurgie. 9 2, 224, 779-

thor states very truly that grave conseopences may result from tying the sutures that unit the crural arch with the aternal oblique and transversalla muscles. S ch tving may cause gangrene of the parts tied, as the result of the mechanical action, and of the neighboring parts, as the result of the interruptso in the circulation. The blood vessels that noursh the muscles run parallel t their fibers. Although it is true that the deeper the sutures are placed to the muscles the better from the standpoint of strength there is, pevertheless, great danger of an extensive necrosis

On this first point there can be no q estion - the entures must be placed in tissue that is firm and they must draw together without strangulating meet these requirements the author proposes substituting for the ordinary interrupted sutures series I setures in the shape of U th base of which should include the crural arch and the arms of which should pass through the deep muscle and the poneurous f the external obliq muscle and be tied superficially t the latter Ifis plan is not had a prior. It is t be feared by that by his method the suppression of the deep muscles would be accomplished less easily than by the usual tech nique. As a new argument in favor of his method the author dds that, a case of infection, the sutures, though deep in their action, re easy t get t

PRESENT FRANCE

The Significance Gundermann, W Omentum in Physiological and Pathological Conditions (Uber die Bedeutung des Netzes in physiologischer und pathologischer Besichung) Belle Bra. Chie o g. (strev phy By Zentrulbi. f d ges Chie Grenneb

The omentum of the mammal is peculiar highly lymphatic, membranous organ developed from the excessive growth of the mesogastrium It functio is not definitely kno Its importance as reservoir of fat is doubtful. It is not an anchor for the transverse colon. It is, however regulator for the gastric vessels during physiological hyperic mia of the stomach. The author believes that under pathological conditions ligation of the omentum is the direct cause of post-operative hemorrhage 1 the stomach and bowel, especially in elderly people the valves of abose omental veius are defective. It seems that the degenerated liver tusu follows g slight thrombosis of the portal veins is taxic t the gastric vessels which are overfilled after operation Another function of the omentum is t ervo as plac ere collateral circulation is established in curbons of the hver and uterine tumors. It has no movement of its The baence of the omentum decreases the reputance against peritoneal infection. Intraperitoscal free omentum transplantation is possible only when asspris is perfect and when there are no adhesions. Foreign substances (carmin, cerulein) introduced into the abdominal cavity are partly absorbed through the diaphragm and its lymphatics a thin fifteen minutes. The remainder is fixed by the omentum and transported by phapocytosis through the omental lymph stream within twenty-four hours.

Schmieden V Circumscribed Inflammatory To mor Formation in th Pelvis, Originating from th Greater Ogsentum (Über circumscripts ent nundliche Tumorbildung in der Bauchinnke, ungekend on Netz) Berk kins II knacke, o 3, L 008. By Zentralhi L d. ges Chir i Greungeb

Schmieden compares cases described by Kuttner [

ideopathi tumor-forming fat necrosis of the omen tum with a case in which the development of tumor the size of a man a head extended over many months. The tumor could not be extirpated, and its growth was not influenced by exposure and incision. Finally high grade intestinal obstruction resulted, so that an extensive operation was necessary (exclusion of the excum and ascending colon surrounded by the tumor growth, nd lateral anastomosis of the lo est loops of resected small intestine that enter the tumor with the transverse colon) Only when the irritation, produced bytotaly by the passage of fectal material had been excluded did a retrogression f the tumor take place. At the last examination (eight months after the operation) the tumor could

not be palpated Schmieden is unabl t explain the camera i th formation of the morbad entity in this case believes that it must be attributed to thrombolic processes with nutritional disturbances in the omental fat emboli, hemorrhages, or circulatory disturbances produced by torsions of small pieces of omentum with incomplete constriction. Adipose people are predisposed. I the differential diagnosts. beside real tumors, actinomycosis must be taken

Frazier Mesenteric Cysta, with Report of Case of Sanguineous Cysta of the Mesentery of th Small Intestine. J Am. H An. 9 t. ld., 97 By Surg. Gyace & Obs.

REPRESENT

ate consideration.

A review of the literature on the subject of mesenteric cysts is ttempted, together 1th complete report of a case observed by the author

The origin of cysts of the mesentery is in many cases obscure. Many classifications have been offered by investigators but that which the a thor prefers is the one adopted by Moynihan H classifies them according to their nature as () serous hes them according to now making an in-cryst artising either from a lymphatic dilatation from humorrhages between the layers of the mesen tery () chylous cysts, probably the most numerous, containing milky white find and due to a dilata to of some of the lactuals or chyllerous vessels (3) hydatid cysts, due t the tents echipococcus (a) dermoid cysts and (5) sangelneous cysts, the class to which the case reported belongs.

The crysts vary in size from that of a pee to the size of a man bead. They are essuily oral in shape, their greater diameter being vertical. They are other unit or multi-locate. The will is controlled to the control of the crysts of the form at this necessary of the crysts of the form at this necessary of the crysts of the contents depends upon the origin of the crysts and also upo whether hemorrhages have taken place into the cryst or not.

The symptom depend largely upon the gins of the cytt and upon its relation to the neighboring reserve. Many of the smaller cyrst are discovered only at autoper and caused no inconvenience during Ille. The symptoms which measurest cyrtemoty produce are path more or the server, digestive disturbances, and symptoms of acut or chronic intentratio beforeteen, Confederably there may be loss of weight and insultion and constitution of the confederably there may be loss of weight and insultion appeared too long pentoritus may develop from regions of the cyrt or the patient may life of insultion.

Percussion and palpation reveal the usual signs of abdominal tumor and fluctuation may some

three be elicated.

The treatment, is all cases, should consist in operative measures. Theoretically there are four possible modes of procedure (1) septrates as succession, (2) procedure (2) superation (4) modestion, (2) procedure (3) procedure (4) incident sequent followed by exclose and (4) lockion and enhance. The fact procedure has become obtained without the fact procedure about the strenged, but, when there are some symptomic of internal obstruction it may sometimes be consured to mercif process and draine, as many of these patients with sortin obstruction will not tolerat any but the standard are the summy of these patients with sortin obstruction will not tolerat any but the standard are more typic operation.

The case reported is that of a man who fell element years previous to the operation and received servers blow upon the abdomen. So theregoestly be morited a small tomor shorts the symphysis, which very gradually became larger. Burney the high protection above, of the previous more region above. The operation above the state of the previous and the state of the previous and a large piece of bowel resected with it. An uncertainty in coverey enough of the state of the previous and a large piece of bowel resected with it.

Carrolori, F. Mounterie and R troperitoriaal Blood Cyata (See in kyate hématiyosa subsutér syste et rétropéritosism). Clia, chir. 9 3, xia, 2 5. By Journal de Christyle.

This satisfa, which is critical study of the subject, includes an account of an openbladed case they young man on by years old had emocked, the subject of t

enucleate it but it adhered so closely to the union that some of the posterior well had to be left in its contents were a seconsupulsous field and red histocic does. A few days later a families opening appeared at the lower sughe the wound from which except a seconomical. The object gradually loss weight and died four meants after the operation.

The autopsy showed that the firsts led to a cavity in front of the colon. In this cavity were found remnants of the cyst that had not been re-

moved.

Hittological extendination showed that the wall of the cyst was made up of old rennertive there lymphoid theme, and new very vascular connective theme. Its thickness varied from to 8 mm. The author believes that this win an old jymphatic

cyst which had become bloody as the result of a chronic inflammatory condition of its wall.

FREEZ FREEZ. GASTRO-INTESTORAL TRACT

Carnet P. Mevements of the Stormets and Duodemam Studied by the Perfusion Method (for newmonts) of Instance at the duodeman studies par is settled to be perfusion. Could.

which they passed the pyloris and went over into the duodenum.

On the fundes side the stomach contracts to form a ventable balloon confined below by the medicgestric groove. The part of the stomack that h intermediat between the funder and the negotions antrum is equally contracted. During activity the stomerh takes on an hour-glass form which is modified by the peristaltic waves passing from the cardia to the pylorus. It is an exaggeration of this physiological phenomenou which gives the to inter mittent tension of the epigastrium when the pylorus is obstructed. The prepylone antrum is bounded an the side near the stomach by a groove of contraction similar to the mediographic ridge, and peristable waves tend t expel its contents through the pylorate In the duodenal bulb there are antiperistaltic move mests tending to exert on the pyloric ring present ereal to that of the paloric antrum. The pylorus stacil does not participate in these contractions directly. When it opens the duodenal bufb contracts and is then moved by peristaltic contractions which force the bolis of food down into the small fatestive.

The pertusion method makes it possible to determine exactly by cinematography the movements of the gastroduodenal apparatus, an apparatus that, on the basis of its partial contractions, has three distinct parts i. e., the fundus, the prepyloric entrum, and the duodenal bulb. This method confirms also the results obtained by radioscopy after the ingestion of busmuth. PIECER CAUSE

White, F W., and George, A. W. Th. X Ray Method in Districts of Gastric and Duedens! Ulcer Beden If 5 5 J

9 3, clarke, 57 By Surg., Gyacc. & Obst.

According to the personal experience of the an thors, \ ray methods add materially to the conciseness of diagnosis in gastric and duodenal nicer Serial radiographs are used as basis for conclusions the acreen observations serving t give general survey of conditions and to show the facts about

mobility and motility

Radiological signs that may accompany ordinary gastric ulcer are local spage seen most often when the stomach is nearly empty reflex pyloric spasm of variable duration vagotonia and, in half of the cases, resid after six hours, due t spasm of the pyloris, irregular peristable or organic obstruction. In hour-glass contractions following after the segmentation is clean cut and constant, and the stomach is drawn to the left by contraction along the lesser curvature, in adhesions to the liver and gall-bladder the stomach is drawn t the right and fixed thers. Penetrating ulcers give characteristic protrusion of the bismuth, with or without gas bubble at the top.

In duodenal picer the shadow of the first portion of the duodenum undergoes change in form and out line, and gastric morility is affected. Constant filling defects in the caput duodeni are recognized from series of plates made to show this structure to the best advantage in each individual case. Frequent use is made of the lateral ray projection, with the patient lying on the right side. Worm-eaten edges in the blumuth-duodenal shadow are common in duodenal ulcer but may be present also in adhesions and malignancy The gastric motility in duodenal ulcer is variable and the actual time of emptying depends upon a number of factors the result of which in given case may be anywhere from a marked hypermotifity to grave degree of stasts.

It is predicted that this line of work will become

much more valuable in the future as the significance of the various X-ray findings becomes more firmly established. I the uthors hands the method at present is considered very helpful if not indispensuble. HOLLE E. POTTER.

Mills, R. W. and Carman, R. D. The X Ray in the Diagnosis of Gastric Ulcer and Its Sequelss. Surg Gymes & Obst., 9 3, xvil, 1. By Surg., Gymes & Obst.

According to the authors there is need of co-

operation on the part of the internist and the rontgenologist in the utilization of the X-ray for purposes of gastro-intestinal diagnosis. A discus-

sion is then given of gastric anatomy and physiology as revealed by the X ray. The changes in the stomach as indicated by the X-ray that may indicate the presence of gastric ulcer are then discussed under four headings i.e., (1) changes in tonus (2) changes in position and form (3) changes in peristalsh and motility and (4) the relation that areas of pain, tenderness, and mass bear t \ ray findings.

Changes in tonus give different \-ray findings according to the part of the st much that is involved. Of changes in tooms resulting from ulcer of the para pylorica nothing is known as yet. Direct abnor malities I tooms in the pars cardiaca and pars media are due t the ulcer Spann of the circular muscle fibers of the stomach at the level of the ulcer result in the formation of incisorse on the greater curva ture. The authors discuss the specificity of such incloure, their sire and form, and the degree to which the stomach is divided by them. They give also enteria as to the genuineness of the X ray picture of Incisure, and a discussion of pseudo-incisure and the diagnostic value of the real incisure.

Changes in the position and form of the stomach may result from ulcer When they occur as the result of causes within the stomach, the stomach as a whole is in a left median position. This position may be due to an acquired atony. The dissocution of the pylorus t the left may be the result of contractures. Indications of change in form of the stomach due t gastric picer are the visualization if the ulcer crater as a projection on the periphery of the garrie shadow the nischen sign, and the formation of the how-giass stonach. All of these are described and similar phenomena not indicating ulear are discussed. When changes in position and form result from uncompensated obstruction of the pylorus by ulcer the stomach occupies a central positio as whole and is laterally enlarged, especially to the right of the median the gastric residue is also in a central position. If the ulcer obstruction is compensated, the findings are not characteristic. In such cases the stomach is enlarged but normal in position and form.

Changes in peristalsis and motility may denote the presence of gastric ulcer. In the case of nonobstructive ulear there are no characteristic thanges in peristalsis though the peristalsis may be increased. Antiperistable is discussed in its relation to non obstructing ulcer of the pars pylorica. Delayed motility is suggestive of ulcer In cases of uncoespensated ulcer of the pylorus, hyperperistalsis may at some time be the rule and there may be marked de lay in the motility

Under the heading relation of areas of pain, tender ness, and mass t \\-ray findings are discussed the necessity for care in making ded ctions, the possibilities as t the relation f pressure sensitive loci to the stomach shadow the causes of ulcer pain and tenderness, bypertension, and roflex irritation of the parietal peritonsum. Hypertension plus hy persenubility, according to the authors, is the cause of unlocalized ulcer pain. As a diagnostic aid it is

useless because unlocalized. Pressure tenderness is also discussed. Gastric ulcer is not intrinsically painful. Pressure tenderness due t a reflex does ot as a rule correspond t the ulcer sit of the paractal peritoneum as a result of after peripastetis gives, as a rule, definite information as t the location of the ulcer and dids to the X-ray findings if it corresponds to the ats indicated by the X-ray A palpable mass of ulcer origin probably corresponds to the leer sit because of associated perigastritis nd parietal pentoneum irritation.

The article is illustrated with numerous radiographs and is followed by a list of references t the literature of the subject

Ropks, W. Chronic Castric Ulcer in the X Raw Picture of the Air lafteted Stomach (Das chronische Matenuleus im Rietgenbilde des laftet Highten Magaza) Mal d Grossach & Mad Calr o 1 xxvl, 107
B Zentralbil i d gen Chi

i, Grennerb Rooke is enthusiastic in regard to the Y-ray examination of the air inflated stomach. While the inflatio with carbon-dicated gas is dangerous because it extends the stomach suckenly and with out any regard to its size the careful introduction of a sound not inflation the air is quit harmless nd is Iways permissible provided that at least

month has el paed since the last free hamorrhage With the and of excellent X-ray pictures the uthor first describes the appearance on the plat of the normal stomach when I flated with air completely inflated its outline as curved emooth line when incompletely inflated, its outline shows indentations and the folds in the stomach well are plainty visible. A stomach with a simple nonperforating picer when inflated has a very char acteriatic appearance in the picture and by the air inflation method in most cases the details are mor clearly brought out and the whole picture better defined than by the bism th method. A sham constriction in the stormen picture together with knotted or oblique band like shadows, or a solid shadow on the lesser curvature either connected with the band-lik shadows or at the end of the Lnotty shadows may be regarded as practical proof of the presence I gastric nicer, particularly if at the same time the clinical history has indicated such

combition. If the alcer has penetrated int the surrounding times and organs, the \-ra pacture a different and also i this case is so characteristic that a diagnosis can be made from it with retiainty In such pictures the author noted more or less clear areas within the outline of large, solid shadow which encroached upon the lesser curvatur. On operating these clear areas ere found to be the defects ; the stomach wall where there had been a penetration through the indurated eleer area into the left lobe of the liver and int the nuncreas

In most cases the air inflation method requires only one picture to bring out the details of size, form, and position f the stomach. With the bismuth-meal method these points in the majority of cases can be determined only after pictures have been taken with the patient in different positions. The air-inflation method, however don not give any information in regard to the ignetions activity of the stomach, ad for this the bismeth method will have to be used. I all of the cases that he reports the author was able by means of the an-inflation method to make positive diagnosis both of simple indurated picers and those that had perforated int the surrounding theats.

Von Turning

Steinharter A Preliminary Not on the Espeti mental Production of Gastric Ulcers by the Intravenous I jections of Clumped Colos Bacilli. Banka II & S. J. q. p. class, &c By Surg. Gyner. & Otne.

An employee of colors be cill in the presence of free hydrogen fores the author states, is agginglicated in from one to tour bours when incubated t bady temperature. Gastric julca of kigh, cidity posteres this aggit tinatung power. While these facts as bash, such an emulsion, when I lected into the sar rein (a rabbit has been followed by the formation

of gestric or duodens) picer within 24 bours, The method of perparing the em leson was this citive strains of color bacille in benth emphision, six agglutinated with weak solution of active acid and hydrochlone acid cc or a c of this emulsion were injected into each of six rabbits, and in each an alceration of the atomach or deoderous was after wards found

Many important questions, such as the method of action of the colon bacilli (whether it is mechanical or toxic) whether or not it has selective action on the stomach or whether other organisms. If he have in the same way, temain t he treated in later communication promised by the author

D W PERSON

Deaver Postarior Gautrojejunostomy in Acut Perforative Ulcer of the Stometh and Doedees etc. J Am M Arr pay, bu, 75.
By Kerg, Gynec. & Obst

This paper emphasizes the great importance of early diagnosis of perforation of the stomach or deoderson and the imperativeness of an immediate operation

The diagnosis of an cut perfor tion is made mainly upon three things first the pain second, the ripidity and third, the history of previous indigestion of ulcer type. The pain a very intense and very sudden in appearance. There hav have been premonitory pains of great severity but the pain of perforation is goaling and unbearable. It abdominal, not polyse, and usually in the mid bdemen, epigestrum or hypochondrium, al though occasionally radiating t the sinc found of back

General rigidity of the bdominal process sets in t once after perforation. The rigidity is of the extrem type often called board-like. It is most marked in the pier addomen. With the right there is extreme tenderness, which is first boated over the also of the period prediction in the case of the period prediction in the case of the tenderness of the prediction of the prediction of the prediction of the prediction of the period to the tenderness of the prediction as the where nd so lead to diagnosis of perforative speccolations.

A history I previous stomach or Intestinal trouble can enaily be obtained, although many times the partient is in such ago y that the list ry must be obtained from friends or relatives. Occasionally bowever no history point; is to the presence of an alere can be elicited. A history of prori bloominal trouble is of sensitance in making the correct diagnosts, but the absence of such history does not by any ments errold the disposits of performance.

These are the important symptoms and sigms of perforated nicer and the ther signs and ymptoms usually described are either of minor importance as regards diagnosis or they ppear aly at time when it is already too lat t bein the patient. The tem perature, pulse, and respiration are sometimes changed slightly carry but not t any diagnostic degree Distention, accumulation of fluid in the abdomen, and the subsidence of peristaltic movements are all signs which are of prognostic, but not of diagnostic, importance. No case should be allowed to wait until these signs ppear as they fore tell only too surely the powerching end. Free gas in the abdominal cavity and the obliteratio | f liver duliness also show that the case has almost certainly passed beyond the help of the surgeon. Lencotytous is usually present early but may be slight.

In treatment of perforatio of gastern or docean alter the important thing set operat and to operat early. The majority of cases operated upon during the first treater or agriculture hours recover while the cases that have good over treaty-four bours usually seccumb. The first of restainent adopted by the utbor was as follows: () cleasure of the clare? () placetion of the doctorium to bitterat with the pastrobrigate and gastrocole commitment (1) posterior no-loop gastrolylemostomy (4) the drainage of the pelves through prophs stath. The after-treatment cognisis in the sitting posture,

on such area meet consists in the sitting posture, continuous procietysis, and the prohibition of everything by mouth until penstaless has been restablished as evidenced by uscultation and by the passage of fatus. The stomach tube is used freely for vomiliting, regurptation, or pastric distention. The administration of food is timented very carboarly beginning with albumin water N penguires are used but cleaning come is given the third day after operation.

J II Sames.

Truesdal Cancer of th Stomach Series II & S. J. 9 3 chir, 44 By Serg., Gyner & Obst.

The author divides surgery of the stomach for cancer into three divisions

The exploratory operation done to establish the diagnosis or to determine the operability of a palpable tumor. That this procedur is too in frequently used is obvious from the number of inoperable cases that come t surgeons. There is too often more reluctance the part of the surgeon to dissoperation and more on the part of the patient and his physician t have it done for suspected

cancer than to prove a palpable cancer froperable. The first stage of pylone obstruction is do not to the cancer per w but the tumor plus the perfacences inflammation. Under these circumstances, conservative treatment yields results immediately good but ultimately disastrous. The microscope, chemistry and the X ray are all valuable in diagnossis, but the personal history more than any other factor must be depended upon mainly t (uratish evidence for or paints epipolarity hiparatomy) and the public disastrophysical public in surprise of the stomach for cancer. The

Thomson and Graham Fibromatosi of the Stomach and Its Relationship t Ulcer Educ M J 9 3, zl 7 By Surg Grace & Obst.

Fibromatous may be localised or diffuse, but it is the localized form which, from clinical point of view is the mor important t differentiate from cancer This form nearly always commences in the vicinity of the pylorus and spreads from there towards the cardia, usually but oot always, showing preference for the lesser curvature. The external appearance of the stomach shows marked changes the normal area is flaccid and collapses readily whereas the affected portion is rigid and densely hard his gristle. The perit neal surface if free from adhesions, is white pearly and smooth.

The diseased mucosa is usually firm and unyielding. closely adherent to the submucosa. It presents billocky surface which tops abruptly at the pyloric ring but gradually merges int th normal towards the cardia. The submucosa is converted into a thick, solid, tough, whit tissue, not so dense as a ebeloid, but resembling the consistence of hard fibroms. The layer is mad up of niform fibrillated connective tissue with here and there collections f lymphocytes in the vicinity of the muscularis mu come The muscularis shows a marked hypertrophy of the circular fibers with characteristic segments tion, being divided int bundles by septa of whit fibrous there co tinuous with the fibrous tiesue of

the submucous. The serous and subserous coats are little altered as rule.

The most striking fact in the pathogenesis of firmantosis is the apparently invariable association with ulcer or ulceration 1 the mucosa. As regards the relatio of informations to cancer they suggest that an ulcer is the primary lesion, which is followed by firturentosis and that, family cancer originates are those to the control of the control of the art those to the control of the control of the century in only one case.

Operative treatment. Where dispossis ca be made and cancer excluded, the authors advise resection of the affected part. A reasonable alternative in weak patients is gastro-enterostomy and at the same tim removing several glands from the lesser curvature. These show the presence I cancer the rest of the standard of the small before the control of the co

Jansway The Relation of Gestrostomy to Inoperabl Carcinoma of the (Esophagus, with Description of New Method of Perferming Gestrostomy J. As. M. Ar., 9.5, ln. 93-By Suy Gynce, & Ost.

A plea is made by the a thor for the earlier per formance of gastrontomy on cases of incperable carrinoms of the exceptages above the patient backwome emeasured from intaktion. As early open the period of patrontomy are the following. The main polyettiens mustly praced to the period manner of gastrostomy are the following. The period of
The most serious of three objectaons is the possibility of lexing. This can well be prevented by following the procedure invested by Senn, alch consists in invaginating small cose of the storant wall around the and then saturing the base of the cone to the parietal peritoneum. This forms a valve which prevents the outflow from the stomach.

The sizablishment of permanent firtule requires neighbell libral for the intellecture trace. This is accomplished by a procedure described by the thor. An incision is made parallel with the rectus flures about distance to the left of the median line and 3 or 4 cm. below the rectus margin. The filters of the rectus are not invited but are repeated by the posterior activities of the rectus are not invited but are repeated by the procedure of the rectus are not invited but are repeated by the procedure of the rectus are not invited by the procedure of the rectus are not invited by the procedure of the rectus are not invited by the procedure of the rectus are not invited by the procedure of the rectus are not invited by the procedure and the rectus are not invited by the procedure and the rectus are not invited by the rectus are not invited by the rectus and the rectus are not invited by the rectu

by sewing the opposite edges of the opening together transversely to the direction in which the incision 3 cm. long was made, a holicor prolongation of stomach wall is formed, which is about 5 cm. long This tubestar projection may then be fastered by the contract of the contract of the contract of the projection of the contract of the contract of the Ulbs a splineter and no leakage occurs under ordinary circumstances. I. I. H. STEER,

Georg The Positive Diagnosis of Deedsmil Ulcer by Means of the Röntgen Ray An. Quart Riespend, 9 3, iv 187

By Surg., Gyme. & Olm.

T biain the most valuable cridence of the presence of doodenal older the actual deformity alight though it may be, must be demonstrated as constant on series of radiographic plates. T date, the frequent failures here and shroad result from two great a dependence upon such data as can be observed with frameropeo.

The author assumes that the observation of Germain, that the first portion of the duodenom has very constant shape and structure unless it is decased, is correct. Also that doodenal alect which is producting symptoms, involves the metalaris early becomes somewhat callous, and produces a real

defect in the duodenal outlines.

The caput doodend is sometimes better filled in the standing possibles, sometimes in the prein position. Not infrequently, to make it quite wishly harough the body from the left side, the patient judge and made with the light directed laterally through the body from the left side, the patient judge is and an arrived that the steer-hort type 1 stomach or in special conditions which the doodenum projects lock word and is hidden behind the stomach. The method has deded great deal to the accuracy of shooked inferences as well as to the radiographical knowledge of the posterior will of the stomach.

In condusion the author is calleded in having made minor incorrect inferences in only three of fifty-mne operated cases of duodenal ulcer, and major factorrect inferences in none. This showing is believes makes has results practically positive.

HOLLE E POTTER.

Busting and Jones Intestinal Obstruction in the Rabbit. J Exp Med. 013, 178, 15 By Surg. Oyac. & Obst.

In former paper the without stated their belief that the sarty death in high intendal obstruction is due to the absorption of total decoderal secretion. If closed loops by much of lengths of Berm and Jeptemm in Jasting animal, so secretion occurs into these loops, while the decoderal loop becomes distended with Linday jurna-colored aliains stad.

The only difference between the upper and lower segment of the small intestine of the rabbit is the presence of Brunner's glands. It seems justifiable to conclude that the secretion found in the docdoral loop comes from these glands. If F Camerul.

De Querrain Errors of Disgnosis ta Appendicitis (Des erreus de diagnosis: dans l'appendicite) Esmel Suins romande 9 3 avant 5 3 By Journal de Chiturgle.

One of the greatest criticisms made I the radical operation for appendicatis is that there may have been an error in diagnosis. However the radical operation is the only method of lemening the mortal ity of the disease and out of 7 3 cases operated for appendicitis there were but ninety four in which there was no lesion in the ppendix.

Ten times the error was account of perforation of gastric or duodenal ulcers which should be readily recognized from the symptoms of perforation extreme initial pain and general muscular rigodity Twice the error was due t intestinal perforation in the Beogreal region twice t intussusception once to acute panereatitis, and nee t cut occinsion of the mesenteric resent. It must be dif ferentiated from cecum mobile typhiatony typhlectary Lane kink Five errors ere due t a poeumococcus pent nitis in hidren from four to ten. Liver abscess bibbrense non-appendicular abscesses, ad intestinal orms, have also caused errors In three cases, cholecystris, and in one renal lethiasis were mutalen for ppendicutes There ere nine cases in hi h prendictes was confpsed with cute calpi gitts nine cases with t bel bortions and rupture of t bel pregnancies one, with torsion of the overy and fourteen, with torsion or runture f variety crets.

I half of these cases the operation was as urgent as if it had been appendicatis. In fifth, the inter vention, if not urgent, as justifiable and the best tking to do. I the rest the operation was unnecessary but rarely caused death. These facts are such that they urge the surgeon to operat with-out fear for opendicitis. If we Maximum

ys. J. Cases of Appendicitis, Cholsithisels, and Perichologyutitis, Shewing the Clinical Picture of Ulcar of the Stemach or Duodecum (Falls von Appendictis, Choleithasis and Ped-cholecystics, wiche das Symptomencomplex von Ulcas watersch und duoden darboten). Bulspest

Lir Orsene, trienstys, 9 2, fl, 377 By Zentralbi f d. ges Char 1 Grenzgeb The pilor reports seven cases in which the history of typical pains, hemoptysis the clinical symptoms, and the X-ray picture indicated at much or deoderal alcer but on operatio there was found either caroni appendicitis, dilatation of the gullbladder dhesive pericholecystatis, gall-stones. These cases show That I cases in which pain in Affice cases snow a part to the stomethas persisted for long time in spite of internal treatment, operatio should be undertaken, for even if there is no ulcer some conditio will be the stome of the stomethas the certainly be found which will explain the pain and which can be relieved surgically That diseases of the appendix and gall bladder may lead to superficial ulceration from which hemoptysis may ares even though it may not be pronounced enough t be demonstrable on operation. 3 That it is

possible that some of the pain observed after an operation for nicer is caused by disease of the appendix, gall-bladder or other abdominal organs.

Ducon Hydro-Appendicitosis (De l'aydro-appen-dicitose) Ren è gyaét, ri de chir abdon., o 3, xx, 141. By Journal de Chirurgie.

Hydro-appendicitosis is the name given by Jaboulay to the condition of the appendix which becomes suddenly and intermittently distended by the secretions of its mucosa. The symptoms are those of appendicitis

Ducoux has collected eleven cases of this kind, two from Paris (reported by Petit and Walther) and nine from Lyons. Three of these were I boulay's.

I hydro-appendicitosis the ppendix is turgid, swollen, and red and from 8 to can in length. It has been compared in ppearance to penis, small intestine, and a banana, and when irregular to a mandarin or hydrocele I some cases ther may be one or two swellings resembling cysts. There are frequently adhesons fixing the ppendix to the carcum or bending it toward the ementum, and the meso-appendix is frequently enternations. The

alle is very this and care must be taken when separating dhesions to avoid repruring them. The liquid from the appendix in one of Jahoulay's cases caused tuberculous in a guines pig. In one of Petit a cases drops of the liquid which fell into the wound produced a ulceration, spearently tuber culous, which was hard to cure. By microscopi examination Jaboulay found in one case giant cells in sections of the ppendix. I several cases miliary tubercles were found in the carcum and i testine. Accordingly it seems logical to classify hydro-appendicatous" as an atrophic t berculosis of the appendix accompanied by dropsy

Clinically there are three forms of hydro-appen dicitosis i. e., a latent form, with digestive trouble form in which there is tumor, and form charac terized by repeated attacks of appendicitie. last is the most common. The form characterized by tumo must be differentiated from cancer and Reocretal tuberculoris.

The treatment advised is resection of the appendix. Special care should be taken to keep the fluid contents from coming int contact with the wound. The incision must be large. Jaboulay recommends a transverse incision beginning t the lower third of the incision of Jalagner and extending toward the crural arch. The prognosis is grave, not so much on account of the lexions of the appendix as on account of tubercular lesions in the lungs that fre quently accompany this disease. Ground Lasty

Solleri, S. Gastric Hyperscidity of Appendicular Origin (for la gustropathie hyperacide d'origine sp-pendiculaire) Res, sep 9 5, lb, No.

By Journal de Chirargie

Moynihan in 91 was among the first to describe an appendicular dyspepsia. This disease occurs

accept the unproved theory of fortal peritoritia. As to exactly what kep of the development of the fortus is repossible for the formation of these membranes the author is not able t. as t. He is keen t. believe that they are formed during the descret and relation of the except from beneath the first

Of hat pathological significance are periodic membranes. Future investigation of probably tell us just how much intestinal disturbance can be tributed to those abnormalities. At present there is marked difference of opinion among serrorus as the probable of the probable of the probable of the tribute can be a jumptones they may produce. The territoric can be a jumptones they may produce to be the dil sion of the membranes by the therein castlery. At the probable of the probable of the processory. It is supposed to the probable of the processory.

White S. Cancer of the Colon. But H J to 1. N. 87 By Surg Dyner, & Olst.

Cancer of the color is usually primary discue. Occasionally however the board becomes involved by extension of the disease from an adlacent viscus such as the stomach. Cancer of the colon is most common between the ages of 40 and 55. Two varie-ties of the disease require special description. One, the scierosing type, is so frequent that it may be regarded as the typical form. Growing very slosly It leads t an upular constriction of the bowd which, if the patient lives long enough, will end in obstruction. The mesenteric glands are affected late. The second variety high occurs in minoritwof cases, is of the fungation type. There is extended maitration of the walls of the bowel and, in addition, fungating mass sprouts int the lamen of the bores. There is no constriction of the bowel. It occurs more often in young people and is characterized by rapid growth, carl descriptioning, bloody stools and cachetta. There is no definite symptomatology and he the annular sclerotic type obstruction may be the first symptom. In obstruction from expect of the color distention precedes vomiting. Marked perstalts: me ements of the rolon are common uthor review at private cases of colectonies let cancer Flitten of these came t him with scut of subscrete obstruction and all ere reheved b colortomy the gro the beam removed from to day later Four patients died, two from pulmounty embolism, one from defective union of the bowels, and one from metastasia. Thirteen patients remain in pparent good health, eight of them after from 14 to 4 years. Five were operated on within the last a years. Colectomy should never be performed where intestinal obstruction is present. Patients beyond 70 years of ge are poor raixs. White advises coloriomy or short curvatung for cases unsustable for

Under operative technique the athor africafin a thorough exploration of the abdomnal carky for erideten of mensions before the operation is undertaken. Second, if the disease is too advanced, abort-clorating, or if this is not possible, colortomy. If takes up the method of unfiling the bowl but says there is no one way for all cases. There are

colectomy

most frequently between the seventh and fifteenth years. It has an insidious ouset, rarely follo ing an acute ttack, ad its aymptoms are penally III. those of gastric ulcer. There is gastric pain soon after meals, buch is not radiating and which is frequently a companied by acid vomiting and marked by perchlorby dra. Tenderness to pressure is felt in the epigastric region but none elsewhere except ben epigratric pain is caused by pressure at M Burney point On operating a case of this kind Movnihan found the exterior of the stomach normal in appearance. He noted, however intermittent spasmodic pyloric contractions. Solsen in a simila case first performed gastro-enterestomy ith no beneficial result. Appendentumy performed fater however resulted in complete cure. The ppendectomy followed typical attack of ppendicitis with buces formation and feeal concretions

four months after the gustro-enterestomy was per formed. Tw. months later the patient had galored a kilos and had not had any! I riber Austriaus.

Cargile Grape Seeds in a Peiric Abacess. South
If J 9 3, 350 By Surg Gynec & Obst
The utho reports the case I n year old bo

be stire he mig occasional tracks of het was called understune over a permed i several years, developed a prime abscess. This as drained and it grape sends see poil the pers. One seed was seen in the faces is no neutration in the hirrent of the Surgeon General's office fails to reveal similar case. This matter it it is one in which mails they except through the apprendix. Another interesting feature of this case was the bance of prim. The whore states that he had officied the mother't ke in the state of that he had officied the contractions, but left praides. In those of the contraction is the band officied the contraction of the property of the state of the band were but left praides. In

bo other respect was the mother abborrust.

Cheever D Etiology and Significance of Pericular Membranes. J Am M. Au. 5 3.15, 435
By Seng Oyace, & Ohan.

The etiology of pericols, membranes has not been settled beyond dispute. The athor however considers the origin of these membranes t be of dual nature. On the one hand he places the mem branes resulting from congraital multiremations, nd on the other hand, those which are due t perstoneal arra tion I support of his theory that many of these membranes have congenital origin he calls tiention t the fact that the 'ery nature of the brane man of the cases ould suggest that it is membrane of developmental rather than of in-flammators sature to the study of these membranes in the factus and in the new-born has diled overs belining evidence in f vor of the developmental theory in many of these cases. Membranes appear ing in the fortus or the new-born could hardly come from peritoneal armation or inflammation

few operations i which good technique counts for so much, and every step in the procedure should be carried out deliberately and with infinite care Three cases are reported as typical of the disease.

A bertin, C. and Beaujard E. Th Action of X Rays on Polyadenomas of the Intestine (Actions des tryons X sur les polyadromes de l'antachi) Bull el mem Ser melé d'Ally de l'es q. 3, No. By Journal de Chirurgie

Auberin and Besujard had an opportunity to compant we bidopsize nade eighteen me the part in the case of ms 3, years old suffering with polyadenomatous of the large lenesture. The first specimen was obtained after a few irreatments when indicheracy the second after a few irreatments, when the result is a second of the second second belowed diminustion the size and number (but the hopps. The a thour made an hatological set of the two specimens and believed that they could tribute to the ction of the 'nys' decrease in the size of the glandular crypts, the disappearance of the cytic hereastons, supervision of the ceffifilled with motes, and restriction representations of the ceft histolectical methorship of the condition

M. URICE CHEVARO

Klenböck, R. Th X Ray Diagnosis of Colitie Ulcerose (Zer Rougerellagnose der Colitie strerose) Fortele d Geé d Resigness 9, 3, 32, 3 By Zentralle 1, 6, pp. Chm. 1 Germanb

According t Stierlin, collitis ulceross shows the following characteristics in the 'a ray picture diseased portion of the bowel is free from large quantities of bismuth and shows only few lonpitudical blum th shadow-lines the border lines of the intestine are parallel, althout marks f seconles, and enclose bet een them very cles area which bas an increased gas content this picture is consta t. Stierlin explains the condition as being hyperesthesia of the quickly emptying colon with residue remaining upon the ulcers of the testinal wall in diverticult or long-drawn out lines. Schwartz and \overscirely report similar findings and give similar explanations. Kienbook reports in detail three cases of courts ulceross, two with tuberculosis nd one with dysentery. His conclusions are as follows

There are to distinct types. The please of Type above a trove bowl almost without as color and the state of t

the ulcerative process, insufficiency of the Bauhin a valve, adhesious, kinkings, and stenosis are frement.

Beach, W. M. A New Operation for Hiermor rholds. Platherph M. J. o. g. i., By barg. Gynec. & Obst.

The author reviews the anatomy of the extument and and can't He protest against the general use of the word ordice as pointd to the use and finsists that the words and canal should be substit ted. The blood supply of the anal canal decreed largely from the superior hemorrholds arrety continuation of the inferior measurement. The prepared hemorrholds described from the return the superior perior to the total canal where it terminates in perior control of the words of the property of the pro

The author objects t the operations commonly used in the radical treatment of hemorrhoids. His objections are, that the operation is either too destructive t the nuccous membras and the nerve endings enclosed therein, or it is not radical enough to flect

permanent cure. H criticises especially the Whitehead operation because it removes such a large area of publishm that contains sensitive nerve endings being special function to perform in the control of the sphinerer and. He criticises the light is to entire the beauting of the stoughing which occurs beyond the constriction of the attending pain. It claims sho that at times by the lagitum encland included and as a result the condition tends to even H censures the use of the chains also because of the pain and saffering which be claims follow in any cases and may extend over many werks.

many case and may extend over many weeks. The operation that Bench recommends is as follows. The parkent is nearlicited either generally to the parkent is nearlicited with the forces and by traction are brought into view A suple-proceed tenaculum is passed through the discussed of tend of the passed through the discussed times and the cutter mass is removed with curred sciences. Any distended veins that have been left with the removed with currett. The interference of the meaning of the many part of the processes of the passed o

Smith ADsecription of th Enteroptotic Viorna Surg. Gyme. & Ohit., 9 J. Rvil., 71 By Surg., Gymec & Ohst.

Visceral prolapse in soman is always attended by other closely associated struct rall bosomalities. On this hasts, these w men may be divided int t groups. In the one are placed those ho in early life were ellipse that the other houses are placed to be a structure of the other houses.

accept the unproved theory of fortal peritosits. At the marily what step of the development of the fortung is responsible for the formation of these membranes the author is not able to state. If is inches the latter that they are formed during the description of the occum from beneath the first and rotation of the occum from beneath the first

Of what pathological significance are periode membranes. Future investigation III probably tell as jort how much latestinal disturbance can be tributed t these abnormalities. At present there is a marked difference i opinion among surposes as the property of the proposes they may produce. The opening the property of the property of the to be the division of the membranes by the themselves.

White, S. Cancer of the Colen. Brd M J 1913, tl, 57 By Surg Orsec, & Olse.

Cancer of the colon is transity primary dosean. Octasionally however the howel becomes involved by corression I the disease from an adjusted viscosion as the storonach. Cancer of the colon is most such as the storonach cancer of the colon is most title of the disease require a special description. Due the adversion group, it so frequent that it may be reported as the typical form. Growing very slowly, it leads to an number constriction of the bove which, if the patient fives long enough, if end is obstruction. The measuring plants are fitted by of cases, is (the frugating type. They is crosses) institution of the while of the boved and in addition,

fungating mass aproats into the immen of the bowel. There as no constriction of the bowel. It occurs more often in young people and is characterized by applications, the every disconnision, bloody at ode and in the account in characterized by the samular characterized by the first symptom. In observation from casers of the colon distention precedes woulding. Market periods the state of the colon distention precedes woulding. Market periods the contraction of the colon are formumon. The

uther reviews of private cases of colectorists for cancer. Fifters of these cannot not him with action of substants obstruction and all were relieved by colectorists between the growth heigh removed from the deviator. Four patients died, two from patients and action more status. This report of the substant of the substant for t

Under operative technique the thor advise, therough exploration of the abdominal carry for winders of metastasis before the operation is undertaken. Second, if the disease is too advanced, about-caraling, or if this is not penalise, colorousy. He takes up the method of saliting the lower than the property of the care. There are

most frequently between the seventh and fifteenth years. It has a insidious onset, rarely following cuts attack, and its symptoms re usually his those of pastric ulcer. There is gastric pain soon after meals, which is not radiating, and which is frequently accompanied by cid vomiting and marked hyperchlorhydria. Tenderness t pressure is felt in the epigastric region but none eisewhere except when epigastric pain is caused by pressur at McHurney point. On operating on case i this kind Moyniba found the exterior of the stomuch normal in appearance. He noted, however intermittent spasmodic pyloric contractions. Solieri in a similar case first performed a gastro-enterestomy with no beneficial result. Appendectomy perf rmed later however resulted in a complete cure. The appendectomy followed typical attack of ppendicitis with becess formatio and ferral concretions four months after the gastro-enterostomy was per-

formed. Two mouths later the patient had gained kilos and had not had any further gastrae distress Ascumate.

Cargille Grape Seeds in Privic Abacses. Sorth M. J. 9 3 vs. 330. By Surg. Gypec & Obst.

The author reports the case of an rear old bor who after having occasional tracks of what was called indigertion ver period of several years, developed privic abscess. This as drained and 3 grape seeds escaped in the pus. One seed was seen in the faces. An investigation in the library of the Surgeon-General office falls (reveal similar case. The acarest to it is one in which senall shot excaped through the ppendix. Another interesting feature of this case was the beence of pain. The thor states that he had confined th mother twice and that, while she could feel the con tractions, both labors were absolutely painless. In no other respect was the mother abnormal C H D vos

Cheever D Etiology and Significance of Puricelic Membranes. J Am M Arr, 9 3, Irl, salt. By Surg. Oyace & Out

The etiology of pericohe membranes has not been settled beyond dispute. The that bowever considers the origin f these membranes t be of dual nature. On the one hand he places the membranes res iting from congenital malformations, and on the other hand, those which are due to pert t neal irritation. In support of his theory that many of these membranes have—congenital origin be calls attentio t the fact that the very nature of the thin disphanous vell which constitutes the membrane in many I the cases would suggest that it is membrane of developmental rather than of inflammatory nature also the study of these membranes in the furtus and in the new-horn has added overa belining evidence in f wor of the developmental theory in many of these cases. Membranes appear ing in the fortus or the new-born could hardly come from peritonesi urut tion or inflammation niem we

John tuberculosis. Too much retratee must not be placed on experimental work. Injectio of a t berd bacilius culture into joint cavity causes a reversed pathological course. T berculosis ttacks the epithysis and not the shaft because of its marked

affinity for lymphold theur.

The inherculous process is limited by the cartilage, the periositems, and the shaft. If it goes beyond the cartilage it does so yettending around it or peneturing through it siter having caused dependance of the tissue by cutting off its irrition. When the sprova is infected the original to bretle is found in its lymphoad tissue. Apparent enlargement the pant is due; a turnphy of the muscle.

The symptoms includ pain, stiffness, swelling, limitation of motion, change in tittede, deformity disturbance of function local ruse in temperature bone involvement, muscular spaam, and muscular trophy Purely synovial cases are distinctly mild and may clode dilaptonis. Abscisses are very free

queatly formed

Complications Phthias, adentis, meningitis in children and amyloid degeneration (ter prolonged

suppuration

The prognesis for his us good for children. Functional results vary it age. Paradess motion in an adult to berculous joint us an indescent dream. Children may recover with good function.

Diagnosis T berculosis may be differentiated from other diseases in Type I by its slow steady course and uniarticular nature from those of Type II by the presence of curve inflammation and

beence of exostones

Local treatment () deprive the for to flunction () oid secondary infectio. In general, conservative treatment in children, radical treatment in the adult. Conservative treatment should pervent deforminy and depayive the found of function. It is essential that treatment by popurates be continued without interruntion.

Tuberculi treatment is not of value. Bur hyperamic treatment is worth trul Injection of substances int the joint may be harmful

Radical treatment consists in the destruction of function. Finger nd toe joints should be treated by amputation. In the spine where resection is impracticable. Albee book splint should be applied.

Chrock gonorrhoral arthrits The absence of bony outgrowths (muslly) the prearance i the Königen plat of the joint itself and the history place this disease in Type I Treatment Set the grantfo-urinary tract in order mobilize the joint,

under anarethetic if necessary

Joan syphilis There are to forms of John syphilis, one which corresponds a the synovial form of a bercalosta and the other t the osseous type. Another form more frequent, is profilers the anatomic form the marrow and perioacteum of the bose red. Mobilization is usedess Mercury Some cases yield to see at the doses of animans if ere course of mercar to the case of animans if ere course of mercar to the case of animans if ere course of mercar to the case of animans if ere course of mercar to the case of animans if ere course of mercar to the case of animans if ere course of mercar to the case of animans in the case of the case of the case of animans in the case of
The etiology of other diseases of Type I is uncertain. It would be wise to study the bone marrow the artive tissue, in seeking the cause of affection of the passive tissue. W. A. CLARE.

Bankart, A. S. B. The Pathology and Treat ment of Hallu Valgus. *Mol Prest & Circ.*, 9 5 xxvi, 33- By Surg., Gynce, & Obst.

The part played by shoes in the citology of halm cases the deformity is due to flat foot and results from tension on the tredom of the great toe caused by the congation of the sideton of the foot. The devation is outward because of th predominance of used trackments on the outer side of the toe.

Treatment. The entire head if the metatarnal bone should not be reserved, as such reserving destroys the anterior support of the arch. Instead, the tendons of the vectors and fleror longua hallocis should be divided, the prominent part of the hose compared except the product of the provided except the product of the product except back it the beaut of the metatarnal bone. Treatment for the accompanying flat-foot must also be carried out.

W. A. Caser,

Schwarz, A. Th. Ettology of th. Burnitides (Zur. Abslope der Burnitiden). If ien med II. chancler 9 3 hull 554. By Zentrallol I d. ges Chit. I Grenngeb.

Inflammation of the burse t different soi to be not due t traumatism alone Infections and inclosed disturbances due to discuses of metablism also are primary or secondary causes of the pathological changes. After an attack of angina or tomailitis the burse I the different joints are frequently painful t pressure This condition gradually improves with the improvement in the permary disease. Micro-organisms may enter a ith the blood stream and remain there latent even after the acut infectio has crased, and these. after a second infection or trauma may lead to atrophy or shriveling of the burse. A prediscool tion t beumatism or gout, gonorrhees, i es, etc., may also be the cause of the disease. Accurat knowledge of the etiological factors as well as of the anatomical locatio of the individual burne is import at for if the affection is recognized early errors treatment will be voided and stiffening of the joints prevented. Local polications of mud, or better hot air treatment, energetic massage and early mechanotherapy usually render good results. DE ARYA

Femwick, W.S. The Conservative Treatment of T berculosis of Joints. Brit. If J. 9 3, H. 00. By Surg., Gyncc. & Obst.

Fensyck admits the advimbility of radical operation in certain admit. Considering some 1 th dangers of the radical operative proceder in their dangers of the radical operative proceder in their theoretics and their substantial that their states and their substantial theoretics and their substantial that their substantial that their their substantial that the substantial that their substantial that the substantial that their substantial that their substantial that their substantial that their substantial that the substantial that their substantial that their substantial that their substantial that their substantial that the the st tistics of H J St les t emphasize this, and say that his radical operations may be usually performed i the more severe cases, h stell feels that even better results ould be obt med by the co hildren nithe same lass f activates treatment cases. The radical operation is objected t ho be cause is causes considerable shortening treatment I'en k ad uses the use of cod-liver of and phosphorus and proper feeding, hich is very esential the lass cases t Ouren Hospital for the hildren re dra a from the roaded districts of London. The ordinary methods are employed treeloce deformit and fixation is established by soll is. Periodic examination for \ ray referent ed upon Ber hyperamia is mulos ed Indoform sections to used on the more traints t cases Abscernes re tupped and telested th iodoform em bion (ses resist) e this line of treatment re operated on and arthrectom or era The atho at tes that h has sio s the how perer amount ted hikiren li is strong advoest of the use of them. It and drives the permanators to operat on on any case of them blosses. He administers t ben h either hipolermically by mouth. M 5 HELDERSON.

Eh lich, II and Marcach, M. Gandrone of the F trendities and it Trentment (Oter Games der his resultion and into Belmedium). If w. N. 11 k. in. 1 mm, 158

By /antra Dal Lid area Clair | Coronagerb Dunne to last t cive years eighty-one cases of gaugrepe of the atrematics ere treated a von Lischberg a cleme. Of these one as caused by lectric preent t by embolum t by freezing, three b heature of the populteal artery forty-four by removelerous, ad t cut -also by diabetes The unclusions des from the material are as follow L has septic processes necessitat earlier operative proced or the treatment all forms of gangrene blek re not used by diffuse or progreen ducases of the rectal system should be expectant til there is demarcation such as in ases f f ries burns, freezing et in the javestle l arternos lerous, if the general conditions be is orable the phalanges should be flowed t separat spontaneously I tarta slatues in the are of the loot are not warranted because they offer but small hance for permanent ure le cases where there is an insufficient demarcation pro-grandre process, alection comphessions or unbearable pains, only amputation can be considered I senile gaugene the operation should be per-formed at the thigh. I presentle gaugene good results may be obtained by imputating the lo er leg, provided that the extension of the process offers so contra-indication, the pulse is distinctly resinable t least in the popilies, and the imputated stump blents freely during the operation. The only operation on the lower extremities f diabetic patients that is arranted is amputation of the em m

FRACTURES AND DISLOCATIONS Binney Report of Eighteen Cases of Separation

of the Lower Personal Epiphysis I the Reston City Harpit! Resident I 5 J 711. Ier. 49 by Sury Greek of the The author first takes up brilly the history of the treatment of separation of the formoral resolvisis.

contrasting the former mortality and poor result th the present day i worship outcome

The etology as quoted from Scalifer Slimpoo, of Cotton is hyperetravous. The pathology ratie in the natter of the injury Scooler it may take it is ompound if so per cert. The legion may be a snaple loosement of the epishysis it hight driven and the comman of the epishysis its hight driven and the comman of the epishysis its hight driven and the comman of the epishysis its hight driven and the epishysis in the end of the shall like entry over the indicate of voice, or derive may be a pinhy draw over the end of the displayins his entry over the indicate of voice, coaling as green from arterial thrombods. The new the lens lefte of the same draws of voice is the coaling of the end of the coaling of the displaying as green from arterial thrombods. The new the lens lefte of the same draws of looding as green from arterial thrombods. The coaling is the lens lefte of the same draws of looding the lens lefte of the drawpale presents in the sound.

The thor next discusses the mechanical factors after ag implacement depending upon the attachment of the gastromemius quadriceps and popliteus

mus ka

Symptoms and diagnoses Aay case of linging to the harer guitest below a rety years of age is suggest to of pulps year separation. The classical lates on other sensorates maked prominence in the repose of the patella. It transverse deprecision roas the takey rast above the patella and lish hose prominents as the populated square. Modellar, just hower the Lacey for Los and terreplets, if personal are suggests. The hash to be removed as present are suggests. The hash to be removed to personal transfer of the personal properties of the personal properties of the personal properties and seed of the personal perso

The diagnoses from dislor tions of the knee is usually eas I fract ret of the lower end of the feet the both creptus and character of the deformity should go evidence by bich the differentiation cs be made I many cases, however the Vm in the different method in hich distrosion.

be made

The thor next lays great stress on the X-ray examination both before nd fire reduction because of the marked tendency of the lower fragments to

entrate transcriptorities

The danger of some degree of rrest is growth of hose must also be consistent. The introduction of a foreign body seed as mail gers or ire, seems is increase the danger of disturbance of growth. Immediat red ritos and placing of the divided cartilage in position favorable for growth is of great importance. We immediat treatment is fachested t relies pressure on the servers of vessels.

In simple separatio without extensive detachment of the soft parts, fixation i the extended or slightly flexed position is ufficient. In the majority of cases an aniesthetic is ecessary A examination must be made to insure the maintenance of the correct positron Fixatio in cute flexio sometimes helps when other methods fail. When the reduction can not be accomplished by these methods, immediate operation should be done W th evidence of injury t the vessels acut flexion should not be employed, on account of the obstructso t the cir

culation. Compound fractures are treated by thoroughly deaning the wound the displacement having been reduced, fixation of the fragment must be secured Excision of the joint is probably never

necessary when easy reducts is beauned Owing t danger of subsequent interference with growth, brolut reduction and fixation at the earliest moment is of great im-

2 Early and repeated K-rays are necessary to control the completeness and permanency of the reduction.

 In simple cases where immobilizati in flexion falls to hold the fragment in orrect positio from the start, open reductio with the use of small nail or bone-plate is indicated.

4. In compound separatio the sam means of positive fixatio is t be recommended.

5. The foreign body should be removed eoo after union has begun in order t wold interference with growth. This should be done not later than the FREDERICK G DYAL

third week. Jones, R., and Smith, S. A. R pture of the Crucial Ligaments of th. Knee and Fractures

f the Spine of the Tibin. Brst. J Surg. 9 3, 1, By Surg. Gynec. & Otnt. The X-ray has shown that fracture of the spine of the tibus, often amodated with rupture of one or

the other of the crucial ligaments, is much more common than is generally supposed. An investigation by the thors has shown that rupture of on or f both of the crucial hyaments

occurs frequently in dislocation of the knee joint. The authors quot Hogarth Pri gle paper pubhathed in 907 as the first studie t treat of supture of the crucial hyaments ith vulsion of the grane of the tibis. They then describe the auctomy of the articular surface of the knee joint in detail, emphasizing the follo ing facts

() That the anterior crucial heament is tense when the knee is fully extended and prevents the tible from being displaced towards the f mu

() That the posterior crucial ligament is tense in complete flexion and prevents the tibla from being dispenced backs do on the femur

(3) That both ligaments check inward rotatio of the tibia.

Hence if after injury to the knee, the table can be displaced backwards and forwards or rotated inwards in the extended position injury of one or both crucial ligaments may be diagnosed. The most con stant sign of fracture of the spi e of the tible is an betruction to full extension. PREDITAGE G. DYAS.

SURGERY OF THE PONES, JOINTS, ETC.

Gask, G. E.: Autoplastic Graft of Fibula int if merce after Resection for Chondro-Sarconna, with Observations on Bone-graft 104. Best. J Surg 913, 4.49.

By Surg. Gynec. & Obst.

The a thor first gives briefly a review of the varione methods of grafting bone and ther tissues that have been in use during the last twenty five years. If then reports a case of tumor of the humerus, which necessit ted the removal of a portion of the shaft three inches long and the implantation of

portio of the fibrois from the same patient. The unso was good and resulted in complet use of the Measurements showed that the h merus after the operatio was three-cighths of n inch shorter and the circumference of the limb onequarter of an inch less than pormal. The loss in the abule was not poreciable. The potient can walk as well as ever and is not wrak on the operated aids.

The portio of the humerus affected Technique was removed, together with its periosteum, and the graft of the abula was inscried with its perforteum intact. A boles were drilled into the graft. All muscular and tendinous ttachments of the fibula were carefully dissected off. The bones were not secured in position by any foreign body such as a screw peg, or plate.

Conclusions (z) An autograft of bone under favorable conditions (youth of the individual is f worable factor) will live and grow It will certain ly grow in thickness, though whether it will grow in

length and at the same pace as the corresponding bone of the opposit arm, remains t be proved. () The persenteum of the graft is of service t the bone, both as limiting membrane and as an active

factor in the deposition of new bone (s) There is evidence t show that bone will grow a thout its periosteum and that even marrow alone will survive and deposit new bone. However until w know more, it is better when possible t employ bone that is covered with its periosteum.

(4) Transplantation of the bone from an animal t man, and the use of bone from dead bodies, is marely in the experimental stage. FRIDERICK G DYAL

Klopfer L. FreeTransplantation of Fat into Bone Sinuses (Uber freie Pettransplantation in Knock-) Bestr a klin Chir o a kumi 400. By Zentralbi, f. d. gen Chir u. L Grenngeb.

The clinical experience in seven cases was very encouragi g, and sho that filling the cavity with living twen is superior to my method in use at present. The procedure is worthy of recommen dation for eseptic as well as infected cases. REEV

König Successful Plastic Operation on the Elbow-Jol t by Means of Imple tation of an Ivery Prothesis (Erfolgreiche Bekenhplesteit um Ellbouen durch Implantation elect Elfenbeispen-Marchen med Il hande o 3, b. By Zentralisi t d per Chie

On the strength of successfully treated case of lyony transplantation at the elbow local Königagal calls attention t the possibility of utilizing ivory i plastic operations on boses, and particularly

emphasizes the simplicit, of the procedure The patient a bealthy girl, had apartie-cell sarcoma of the meilla condyle of the h merus. At the operation almost the entire dutal portion of the burnerses was removed ally the capital m and humerl remained. Into the resolving defect an exact fromy bath t previously prepared as mented nd beld by to frory pegs. A few weeks later

not need by a strong legs in the second units plastic operation on the muscles become necessary. The not result as good. The patient has had no recurrence in over year his locat mornable over more that one half of right a gife not firm. every respect. Extension is possible t 35 flexion t Bs and not two as complete. Los Farrers

Von Suar G F and Schwamberger R. The Ulner Longitudinal Inchion for Open thon in the Region of the tols Surface of the Virtut Johnt and of th Iteliew of the Ila d (fler aloure Litagrachen eine belenntiftkreine für Operationen im Retreich der Voluntliche des Hand gricula and der [(abliand) Zennell f Chr o 1

ad got By Zestrufbi i d. ere Char I order t word asserts secondary njunes and t permit a good exposure of the operat we field the athors have designed nession in the region of the voter surface of the rest joint buch they Contrat | ith draw pp. The locience is made in the middle of the space bet een the flexor curn ulaurie nd the palmens longus in sech direction that it Ill strik the narrowest point of the autemor noulse lieument

Osseed The End Results of Excision of the Ruse for Tuberculosis with ad without the Use of Bon Plates. Bester H & 5 / 9 3. Inc. 1 By Sure Cyter & Obse

The utbor first discusses the 'arious metbods of extraca of the knee joi t ith their modifications and outlines the method like he advocates as follows At o- to four-day preparation is given t the knee joint which has preferably been previously fixed in planter for 1 least one mouth. The field in prepared by benune-lodine ski preparation and an Famurch bandage is policed. I I shaped include h made extending from the laner femoral condule downward across the pat llar tendon an inch bove the t bereie and upward t bove the outer femoral condyle Before the sky h cut through, three to y scratches re made one t the lover hault of the incluion and one on either sid t facilitat ccurst ski reposition. The increson is then carried down t the bone dividing the patellar

tendon. The edges of the wound are swabbed ith ilecture of lodine. The proximal end of the patellar tendon is seized ith double books, and the fap containing alin, fat patella, diseased tissue and uper cul-de-esc is quickly dissected tack the knee being gently flexed Much of the tuberculous timese is removed as the lower end of the femur and pper nd of the tible are isolated. A quick disection of the poer cul-de-st is made

Esturnating the desired agle of fixation, the lower end of the femor is sa ed off 1th fat sa had above the diseased tissue. The upper end of the tible is next se ed of and quick dissection of the tustue the posterior capsule is made. The patella

is removed, or it index surface in ed off It has been the contom for the last four years, in the absence of some or of mixed infection t for the earls of the bone by means of malleable from plates, or al minum are clamps one on either side and ne the middle. The natellar tendos is three sutword the ak flap is replaced, ad the leg put up

plaster of Paris
Fourteen untitle excessors had accord operation for re-excision. These cases are secondarily infected Four had situars before the operation, and nuse feer P persisted several months after the etieration. fi cases Lyentsal unios occurred in The tope of toon sat months or less to three most is wrong in leven there is to

record of exemptal loss to five t ompaning these cases a th those in which plates or lamps are used, nose came a specialist for re-excusor. One amputation as done extinct the bountail. That stores before operation, and fis ther Pain persuated several months only in the imput ted case. Eventual adon occurred in this teen. The time of nomical firm polon as one month or less in a "ages, t months or less four three months or more three

Conclusion Consparative statistics of this enail series seem t show that the holding of the nicely approximated home stick firmly together has define advantages. Post operative pain is less early make is to ored the only a toward effect is the occasional removal of the plut I table of statistics is appended F PRINTER G DIG

Schepelmann, E. Free Trunspin tution of Pert osteum (I me I'morrifamum), tel f His.

Cher 29 3. Ch 400 By Zentralbi. Ed gen. Clar I Grennets.

series of eather experiments the utbor stiesopted by transplant tion t repair defect of the traches ath perioateum ound around parce of gian t bing. Recently be has investigated the conditions inch determine bether transplanted green gh perfecteum all form new bone. If other lavestigators that under favorable conditions it to possible in all terrees to btalk periosteal bone formation in transplanted personteurs. Success in assured more often, bowever when the theroes int which the transplant is placed are very vascular and

parenchymatous. The result are so neertain, however that it is doubtful whether the procedure

Bleve be of much practical rather. The conditions the high determine success I consuminary to the patient of th

Petraschewaka A Case of Free Transplantation of Half Jol t (Ln Fell on freet Transplantation crass halten Gerelis) berkandl d in Ver d Arite d stati Obuchen-Kranbeak, S. Petersb

9 3 kth 4
Dy Zentralbi f d ge Chir Grenzeh.

The subor removed the earre fifth metacarpal bone for accound. He replaced the bone is the fifth nectatarial bone, which as saved if it has best. The joint real detail odly as placed int the first polalizeral joint, and the six ed end was placed applied against the on humations. Drawn also resulted. The faction of the early formed joint is identical with the sound joint on the other band. The defect the foot caused no disturbance.

or som

ORTHOPEDICS IN CENTRAL

Young, J. E. Practical Progress in Orthopedic Surgery Del. St. M. J. o. g., 17 B. Surg. Gyner. & Obst.

The scope of orthopedic surgery includes deformities dependent pon () lesions of the bone () lesions of the cerebro-spanal vistem (3) impaired automon (4) disturbances of development

and (s) training time.

Arthetis deformans Formedy called theuma to gout From 50 t 80 per ent of the exset are females. The ecology includes training neurotic conditions, pathogenic bacteria, and texemins Still disease in children is gimilar but includes more constit tonal symptoms.

Serum therapy. The most suitable cases f bacteria treatment are those showing symptoms of texic absorption but no true septicermia.

Prous brees. Early operation is advised for mixed infection. The incusion is made two and ac half oches from the spinous process, midway bet een the last nh and the crest of the Hum.

Lateral curvature. The most recent and promineat dwanes in the treatment of lateral curvature is the Abbott method f correction which consists in placing the patient in specially constructed frame, and by means of canvas bands, twisting him intercurrected position. A heavy plaster cast is then corrected position.

applied and padding is used to force the body to the concave sid. The treatment covers period of from si to t cive accide.

Infantile spinal polary The greatest advance is in tendon transplantation. Most rthopedic sur

geons prefer perforteal implantation.
Sacro-flux displacement. Goldthwalte a work
has revealed frequent ankylods between the last
lumbar vertebra and the sacro-flix articulation.
Th displacement may be of the traumatic or of the

static variety

The tatic variety is composed largely of the
neurotic and the uterine types. The symptomat
ology includes pain, limit ston of motion, bnormal

mobility and changes in tititude. Cerebral paley Tendon lengthening and transplant toon re of great value, but mental training is also of much importance

and or much impurance.

Torticollist. The best, go for operation is between
sex and t eire. The sterno-clefido-mastoid should
be divided at the clayide and the head fixed in an
over-corrected position for three weeks.

W A CLARK

Washburne C. L. A Study of Congenital Dislocation of the Hip with Report of Si Cases, Physicas & Surg 9 3, xxxv 205. By Surg Gyner & Olst.

Congruital dislocation if the hip was recognized by Hippocrates. Prayacz in 838 sas able t reduce the deformity but could not fixate to prevent recurrence Lorens in 902 popularised the bloodless method Etsological theories (t) nomaly in de velopment () intra-uterine pressure. The latter is the more tiractive theory. The position if flexion deluction assumed by the feetal legs is the position in which the minimum ress of joint surfaces are in contact and which, if prolonged and under pressure, is most favorable t permanent displacement of the bend out of the acetabulum. The greater fre quency of congenital dislocation of the hip i females is probably due to the fact that in the wider pelvis the cetabulum is in more posterior-lateral posttion. The uther reports six cases and concludes from his experience that as a rule, dductor tenotomy is had practice, that the nedge lukrum is dangerous marument, that the most favorable time for redu tion is between the ges of three and ten, and that in patients over ten years open operatio is advisable. W. A. CLASE

Care W P An Operation for First Foot, Am
J Surg 9 3 xxvii, syn. By Surg Grace, & Obsi.

I reporting case of traumatic first foot cured by an unusual operation, Carr says Sawing through the or calcia, between the ankle

joint and the attachment of the tend chillis, alphing the may portion of the bone down and three fourths of an inch, and nalling it there is operation not difficult nor dangerous.

This relatively simple procedure was carried out by Carr on an electricia 37 years of gr. The mw ing as easily ecomplished ath modified tyreth any The ounds healed promistly and i six celathe patient able to alk better than before the oper tion. If he could need t improve. The

thor recommends this procedure in cases of that fork carried by jajury and those high are not ire proved by the ordinary methods of treatment

PART P SWITT

SURGERY OF THE SHIVAL COLUMN AND CORD

Kiel berg, S. Abbott Treatment of R tary Lateral Current re of the Spine d Detail of the Tech la e. Sery Office & Obel, 1 h Hy Sore, I your & Othe.

The Abbott method of treating potary I treal curvat re of the spane depends on the theory that the some is fluenced in 1 motions t the greatest degree ben t rela ed It is rela ed un the fiesed position lies th patient ple ed for tree ment in a hammonk uspended a net neul t fam The frame has several bars on each safe for the it ta hore ted it it and percet bands The shoulder oil hip gird! are fixed ad orrection is obtained hit bands, made prefer blief which rous rithe best and ttuned the ade Opposit the deform ty such manner that one bind mufts a les and the other back nd thus tradical correct rot som and lateral deviations A plater of Paris 14th t then pohel ad four unders med very large union over the conon it behind one or the stermin one little ornesde of the deformint, and me the talls on the side of the deforming. Thick if it is excel for correction pudding. The roads or inserted through the interior index to creed the rotation, and through th t ndo on the sud of the deformaty t or reet the desigtion. They re serted often the patient olerane ad general audition all permit ad her the mater to berection in

particular judies he been it ned new pates is populed. The corresposition thought parket refer to times great deal of scor enters: patts, dyspend and a kness Tachy rdia prostration and other ey tences of shock must be guarded galast

Perhans the best method of ladging is a orrect tion ha been tained in the se of the 1 may the part being Len benthe pasent is outsid of the planter; it I hart one uses ere treated us the manner (If here t go stop bec the of the locon cuenc ad listomfort Three cares back ere high ery donal leform bes, ere gov becase no mpro emrat hid been obtained. Of the rest four ere ver-corrected and the remainder mproved In the desert

I conclusion the thorstates that th Abbott method is severe mis cases as he corrected by t canecually the milder once but the correction is so slow that the treatment must be prolonged.

Ankylosis of the Spin McGLine A Alizane An. Call. Physicient by Surg Bell: 9 5 vol. 42 By Surg Lynce & Chat X14.42 There to three varieties of spenal adjacus. The first is due t flammatory new bone (spendylitis

deformants) It may be caused by pyogram bacteria or by trauma. The ordination is beaded along the bgement and thicker t the discs than I the bodies. The patient are almost all ya past middle The second carrety is bony metamorphodis of splaul beneverte, fiber by fiber ith so rregular projectaons (spond lose rhizomekque). The oualberting as an daptive process t served repolit folion ag parant saftening of the bone Proof of the norrowel I hange is the fact that the position of the os ne tion is advantageous for reps ag the strat This type of spanal tile loss usually occurs in young ad it. The third type is repail process such as follows t berculous mi fractures

Treatment Remov the actn or domaint sours of afection. I cases of spond lose rissometime as by traction A LOWE

Udrich IL C. Best Transpla tation as Treat stent of Pott Disease. J in I d Honory 9 L 4.25 By berg G no. It Old

The rikks good more of the Uner method of producing boay firstion is I berculous of the spene. Nothing new is contributed to the audient The a thor report one recent case with good result ad recommends the procedure CIB *

Cartelli E. Method of Lorellas ion of Spinal Tumars with Reference . Their Medical and Surgical Treo ment Mal Ka

Di Serv Line & Ober The thor does not lastif tumors rording to

their origin but divides them sat () extramedal-

lary nd (s) tramedullary temors Lettle is known as I the etiology of the Yira

med they tumors. There re several enemes of three mong such are abroma, augmoust ome ad percentbrosser on Of the cut amedallary the most omrson meties are glioms, t here is abroena neurosistroma and abrosum oma

The nathological poditions in the region of these turnors or greatly according to the class to buch the tumors belong I the use of the intramedullary teasons, the destruction to the tusies of the cord as often ery murked and the condistract res may be greatly displaced and thinned out. I the cum of the extramedullary t more the destructive changes are rate and ppear only first the lanes of

The symptoms of these conditions resemble the amplement of compression of the cord he slow evolution but it is usually possible t dartugush bet een those of the extramedulary type of tumors and those of the intramedullary type.

as it marks the lower limit of the t mo

termined.

peous reflexes are usually bolished at th

level f the tumor and from this level dow a rd

Therefore by determining these two cones, the upper

limit of the reflex if defense and the upper limit of

sholishment of the cutaneous reflexes, the lo er and upper limit of an extramed likely cumor can be deIn the case of the intramedullary tumor pain is a rar symptom and is late in appearance. Para plegia appears early, evolves rapidly and is usually accompanied by Bronn-Sequard syndrome. The paralysis is real and although there may often be contractures they do not predominate over the paraly als. Sensibility is early affected. The superficial establity is affected more decidedly the side opposit the paralysis the deep sensibility on the same side as the paralysis (real Bronn-Sequard). The tendinous reduces below the compression are emperated as in the case of extramedullary tumor

When the symptoms described above are reviewed it will be seen that there are many differences be twee those of the two kinds of tumor. The Wassermann resction of the spinal fluid may some times be muleading as to the etiology of the condi-

Treatment in the case of estrusedullary tumor should be surject, and if the tumor can be reached and removed the prospouls is good. In the case if irramedullary tumor the comerous of opinion is that there should be no intervention. In rare in teasures, nowever—operation can be performed in the steps as follows: () sphitting the dura mater over the reprior of the timor of () removal of the tumor if it has presented useful in the period interventing better operations. The prognosis is grave however and intramedullary tumors are pt to recur

SURGERY OF THE NERVOUS SYSTEM

Blondski, K. The Spastic Paralysis of Childhood and Its Treatment (Die mastische Lahmung in Kindentier und füre Behandlung) Deutsche met Websche, 19 3. xxxix, 500.

Website, 19 5, actit, 600.

By Zentralbi f d ges Chir n. i Grenzyeb

This study presents the present state of our
knowledge in regard t spassic paralysis. The clinical
course of the dreams is described at the special rela-

course of the disease is described with special refer ence to the paralysis, the spasms, and the involuntary motion. Considerable importance is ttached to the paralysis, since recently much more has been said of the hypertonus of the contracting muscles then about the motor weakness I their ant gonists It is decidedly more difficult t treat the latter than to weaken the excessive strength f the spartie nuncles. The spasms are caused principally by multiple stimuli high travel from the periphery t the center where not being controlled by the higher regulating centers, they manifest themselves as involuntary reflex movements. On of the complications receiving special mention is the spasti dislocation f the hip-joint which has recently been noted i several cases of spantic paralysis emociation may throw some light on the mechanism of the luxation.

Exercise is the most imports t factor in the treat ment as it only can restore co-ordination. Operative

procedures are limited to those that test re proper relations between the component parts of limb and those that versome the cristing conditions between the single mucket groups by means of testlopianty and the frequire and the tendors. In very serious and the frequire and the tendors. In very serious roots gives good result. It decreases the profiberal sensitiveness and thereby lessons the motor impulses, on the priphery Spitzy's neuroplasty and Stoff 1 partial returned to the serious the profiberal rather than the serious properties of the profiberal rather than the serious profiberal testing the protein the serious profiberal testing the serious profiberal testing the serious profiberal testing the rescription of the serious profiberal testing the under the serious profiberal testing the serious profiberal serious profiberal testing the serious profiberal testing testing the serious profiberal testing the serious profiberal testing to the serious profiberal testing the serious profiberal testing the serious profiberal testing the serious profiberal testing testing the serious profiberal testing

be followed by carful after treatment in the w y of evertices. Good results or be expected only when the operative interference is regarded as merely the first step t ward successful treatment. Series.

Harris The End Results of Operative Treatment in Thirty Three Cases of Spanic Paralysis.

Bases 10 **O **J **O **, O **Int 81.

By Surg Gypec. & Obst.

In the five years ending in 0 s there have been operated t the Children Hospital Boston, 57

soon Such ond turns ere especially looked for the sex decreased and some cre sorted. It would seem therefore that the open operation is not it is necessary.

Culture bo ba not then step have been blet all, resulted suspiced uson or reaction of the adductors and ham strings, and parently much be expected from the 1 bby proced re-of-transferr gite promator rad teres t only

sopinator
Considering the result of treating pasts paral
is by the petison of 50 per ent alcubol air ceri
neries it is above the se reported that treats
I the spirite trait ness not been personed.

Holimana, G. Experiences with the Stoffel Operation for Spattic Paralyses (Menc I riskness gen as der Stoffels ben Opers son het spatenshen Librangen. Marshet med R for in 18 B. Zeitzelle i d. er. Ch. Larrageb

Hokea rr-sit uh the hield operation for grass paral ses ha bern satul tory 11 oper the t bull serv in the populated sea ted t x for smart talipes equipes on on the tabul nerve behind the internal mallenius for takines caves. th median pers abos the ellion for fiexed ad promited outracture of the hand, once not the media ners bear the mit sout for fexed contracture of the thumb and t se on the obt rator nerve for adduction outracture of the hip joint The operations on the median ad tibial perior ere for cases of errebral hemistrena in hikire and those on the obtarator pers for Little a disease

On some of these tenotomies had been per tormed occriously and in others the tradous had been stree hed or there had been tendon transplants tion I II of them improvement had occurred after these operations, but recurrences had set in According t Hohmann, the use of the fail res of the previous treatments as that they ould not decisi ety radioence the central process hich dis turbed the muscular belanc the spured ex complete This ca be ecomplished only by d creages the versabilit in the meacles lith the Stoffel operation. After the operation, complet bealing of the ound ment be aited ad then long-continued re-education therapy adopted after treatment is ery essential factor resting recurrences. The Stoffel operation is canecually adapted t cases of Little disease ad grantle contractions following apoptery in adults. It is not utilishle for cases characterized by market chorse movements, or for hydrocephains and kloop On account of its safety it is much to be preferred to the I over operation.

Stribbel II and Kirschner Result of Verre Sut to threshouse der Versensitt). Reir Me. Chr. o. L. texts. [17]. N. Zestukki f. d. grs. Chir s. i. Greunds

This report of fourteen ses of herve-pitture is especially alsable for the exactness of the details it is not restricted to casual observations of the operative results, but makes not of the end result

on the base of subsequent careful investigations. They there per ent of the operations retained to the contrained of the

be made more read. ban later "overs merit by
17 it the nor norms; merrify of containing the
fratment of home and by fireing the new long
outsomed niterroption of it of it into may be precated. I the ser-reported it as interesting
not the norms, norms of server observations,
were no or dispectably the faultie sense did not
error. Ill most or reporter to be half also place. Regeneral toot it has from an erikat one; car. Report
and it of circle by means of sample safere. If
no made of it reliable of error reprecables the
norm of the faulties of the control of it.

The salters in report also of it has

of jm 1 nore. De us frien at b conds, in each of anoth the please as a specied 1 one of their ases he se forme as removed from the service and the partial personal homorphase but the partial is normalized homorphase but the partial is normalized homorphase. But the partial is normalized homorphase that the partial is normalized homorphase to be a present and full regimed to normalized homorphase.

Entremered M. Neev Please Grates (Chr. Please Grates) Beel H. It bucks q 3, 1, 69
Dr. Zentralbi I d. en Cher. Greater

I a case of paralysis of the brachal pletons the separanapolar ners of the besilts used as freed from its best from its origin. I the incurred are the old brought behand the carsated retry of the paratic diseased used. There it is as unitered into a tase diseased used. There it is as unitered into a time more most on the parasital properties upon in the measurer as more year old bore locencept for the ability is entered the fingers not fler time ethners algorithm and the consistence of the stage of the paraticle of the paraticle properties of the stage of the paraticle of the paraticle paraticle of the stage of the paraticle of the paraticle pa arm in all directions, to fiex the forearm a d t ex tend and supinat it a little t flex and pronat the hand, nd t move the fingers i all directions a case of paralysis I the lumbo-sacral pleans the obturator nerve of the healthy sid was I bernted

in it entiret and carried behind the internal and external fluc arteries t the diseased side. This oper atio has been performed only once on the human being and such short while go that nothing can be said a yet in regard to the result

DISEASES AND SURGERY OF THE SKIN FASCIA APPENDAGES

Hendry Report of an Interesting Bacteriological Finding in Case of Pemphigus. Surg Grace & Obs 0 1, Evri. 85 By Surg types & Obst

Hendry reports the findings of hithert described, anagrobic alightly motile bacillus holated from the blebs of case of pemphigus. The method of procedure was as follow. The surface of the pich was seared and the fluid arperated. The usual skin-contaminating rganisms er found in serobic culture but cultures grown on huma muscle anaërobically showed in from ne t three weeks small whit colonies. On microscopecul examina tions these colonies were made p of a very small short shightly motile bacillus in pure culture growth could be obtained by transfer t ordinary media, either aerobically or mecrobically though transfers t new bits of human muscle were al ye recentul

ceine from the organism usa prepared ad Α given in increasing doses the patient showing some improvement during the administratio other does not feel that this is proof of the cure tive value of the vaccinations but suggests that t arrants more extensive investigation along these ioc.

Lock Longed Sweek, W.O. Histogenesis of M. I. tiple Carcinoma of the Skin.) Med Research, By Surg Cymer & Otat tory, xxval, atf

Loeb and Sweek observed the cha ges that oc curred in pieces of tumor that were removed from patient affected with multiple careinoma. The pa

tient as young man 33 years f age. The t mor growth of years standing was located on the right side of the chin under the lower up 1 bout 3 years previous ; th removal of the growth th patient was given Rootgen ray treatment. At the time of its removal the tumor had involved the en thre ad of the face part of the nose the skin in the angle of the eye nd sont superficial parts of th lower lip, so that I reality there ere umber I densite and distinct lessons. The thors sum marize their conclusions as follo

The formation f multipl carcinoma of the skin depends on primary increase in ctivity of criain parts of the endermis In this have t deal with an affection of the epathelus cells which is independent of prohierative changes or of collections of round cells in the connect! tustic, and of tire tive influences of the blood vessels. In our case the proliferating energy of the epithelium which led to the formation of the multiple carcinoma was rela ti ely small. The infiltrating power of the proliferat i g epitheli m was equally slight. In consequence of about infiltrating power we may have an out growth of epithehum int the air instead of a d wngrowth t the underlying cutts. I a certain relationsh o t deficiency in proliferation and infil trating power stands perhaps the inability I the proliferating epithellum t undergo the normal metamorphosis of the surface epithelium into kera t hysim and keratin. George E. Beiley

Joff M Free Fascial Transplantation: Ex perimental Investigations (Zur Frage der freien Fackentramplantation, Experimentelle Universite angro) Cher Irck Vellemmens 9 1 xxlx, 406. By Zestrabil f d gm. Chir

The author carried out a series of experiments in free fracial transplantation, using the fascia of the tractus deo-tabialis or that of the anterior abeath of the rectus. The transplantations were performed on the stomach, the colon, the unnery bladder and the liver of cats. Thirteen of them were made the stomach Defects were first made in the wall of th stomach ad then the mucous lone was sut red. Next the defect i the serous od muscularis were closed ith fascia. I one case the mucous was not sutured before the fascia was transplanted. In

this metance issual necrosis and peritoritis resulted.

I all of the other cases (the time of observation was

73 days) the results were good. At the end of 7 t

8 days there was complet union of the fascia th the stomach well. The fascia was live nd new blood vessels had formed i it. mucosa and submucosa had regenerated. The defect in the muscle remained. The fascia resembled a tendon The nutritio of the fascis was derived from the alls of the stomach. In many cases adhesions had formed between the fascia and the omentum ad a part of the new blood vessel forms tio was derived from the omental venets. Ad besions to the omentum could be prevented only by resection of the mentum. The same results wer blamed by the uthor in transplanting fascia int the bladder and colon. At the end of 6 days the urinary bladder had a perfectly normal appearance. When the mucous membrane defects had not been sutured gangrene of the transplant and peritoritia he ve resulted The experiments on the liver for

the purpose of checking hemorrhage also nave On the basis of his work the uthor comes t the concluse that fascia can be transplanted ith

good results.

good results in: the peritoneal cavity especially for the purpose of reinforcing doubtful suture lines. As the fascia does not contract, etconess do not result at the site of the transplantation. On the lines side of the fascial transplantation. On the formed in boat 50 days, and the secretory functio of the sit mach therefore does not suffer

T these experiments the whole dds a description of case of fread fastla following appendicitis, from the Manteutle clink. In this instance when the macous membrane was sutured piece of fascis from the naturel rectures about his stratured ver it i reinforc it. With the exception of partial fascial necrois complete receivery resulted. However, the contract of the co

Korngw P The Free Transplantation of Fancia (Uber des free Fascientramplantation) Bair a. Min. Chr., 9 J. Lorev 144. By Zentralbi, I. d. gos Chir u. i. Grangeb

By Zentralbi, f. d. gea. Chir u. i. Grangeh

Rornew gives an exhaustive review f the bun
da t experimental and clinical material concerning

free fascia transplantation. His own material is divided into clinical and an experimental part His uncross experiments confirm and expet ment previous work. A new feature is the and expet ful closing of defects in the chest wall by transplants to of fascia. Egithere cases are reported. The procedure was used to twelve cases it strengthen the mascle satures in operations for fraginals berms, and

ner each to dose the internal ring in cruni berna, it close detect in benin primocatia, I repair defect in the pieura in penetrating wound of the chest, for pieura in penetrating wound of the chest, for pieura in pasce of Thiench metal ring in case of prolupes of the arms, if not be tested in case of retrieval of the rings in the tested in case of retrieval of the rings in the tested in an anytoned massification of the transplanted fasts and the citizent residuates were sanisfactory. The utilor does not give sufficient under of references the hierarches were

substantiat his statements by clinical evidence

.....

either for or against his procedure

MISCELLANEOUS

CLINICAL ENTITIES — TUMORA, ULCERS, ABSCESSES, ETC.

Typicar E. R. Factors in th Production and Growth of Tumor M. tastasses. J. Med. Research, 9.1 xxvth, 302. By Sory Gyner. & Ohst.

In this at dy and series of experiments the author ttempts t — never the following questions: — In patients in whom metastana has already occurred will the growth of the secondary masses be

recleared by th removal of th primary temors, and will such removal shorten fill or prolong it?

Do the procedures followed in the course of physical examinations and surpical operations increase or diminish the hendence of metastases:

In his experiments Tyaser mad use of mics, and the results he obtained seem to furnish rather conchaive proof that mechanical force is an important factor in the causation of metastaria. Moreover the author is convinced that metastasis is depend ent also pon number of other determinable fac tora, of which the biological character of the tumor timese is of first importance. In certain propagated tumors second deposits are rarely or never observed. while in others they are frequent. This is true also of the various types of spontaneous tumors. Typeer behaves that the mechanism by which tumor cells are set free in the circulation depends t extent pon the structural character of the tumo and the peculiarities of its gro the undoubtedly also to it age and size. This his experiments clearly show Metastases of the tumor of the waltring mouse may be prod ced experimentally by th applicatio of intermittent pressure such as massage or gentle pinching. The results busined

in this investigation according to the other and practical application in the management of rance patients. From them every physician should reatize th irreparable harm that may result from the

manipulatio of malignant tumors in their early development. Genera E. Bener. Stewart J C. The Malignancy of Gheat Caffed

Surceins. Surg. Gymes & Oles 9 3, xvs. 30 By Surg. Gynes & Oles 9 3, xvs. 30 By Surg. Gynes & Oles

The object of this article is to disprove by the citation of cases the statement and irrely is cert rest hierature that punt-celled surroms is being and never forms metastanes. Two cases are cleal, both I which caused death, and no I which issued averall metastanes. The first was that of central gant-celled surroms. I the metastanes death we thank the case of the control plant-celled according to the control plant-celled according to the humerus which caused pathological functions of the humerus which caused pathological functions of the humerus which caused pathological functions of the humerus which caused in the case of the humerus which caused the case of the humerus which caused the case of the humerus which caused t

Fulta, W Diseases of the Glands of Internal Secretion (Die Erkrankungen der Blutdräsen) Berlin Springer 1941.

Springer 1943.

By Zentraild I d gen Chr. L Grenageb.

Falta's clinical work is an excellent supplement t

Finite a committee on the decision is applicated. Held's classical work on the experimental physical particles and the second of
(metion in one may be modified by a pathological condition in another. The great "anery, in symptoms tology may be explained as being du. 1. disturbances in these glands and 1. differences in the constitutions of the patients.

The diseases of the thyroid al nd are flysded into the classes, those characterized hiefly by local symptoms, such as goiter tumors and inflamma tions, and those characterized by an increase or decrease in the secret ry function Basedow disease is caused by hyperactivity of the thyroid ith secondary involvement of other glands. Falta does not behave in the combination of Based w dhease nd myxeedema ecognized by ma y ex perlenced surgeons he concludes that the myx ordenatous symptoms re th result of insufacient functioning of the hypophysis H does not it ch much importance t the involvement i the thymus Operation should not be dysed i r mild cases in patients in good circumstances those with neuropathic tendencies. Long delay is unwase The drice frequently given t refra from opera tion ben the Y-ray sho s the mus shad was not approved Falta has beerved good result from Any treatment. On account of the sciencic changes in sphese f the thyroid, old ge has been compared with chrome myzerdems, but reckless triplated with caronic mysersems, our rectains thyroid medication in old ge must be voided Sporadic cretinism is a hypothyroid or a thyroid conditio of a poorly-developed riganism. The more let me forms are characterized by lack of develop-

duriless glands, and the central nervous system. Mild cases of thyroid acakness recover anontaneously or under treatment with thyroid tablets In severe cases the ideal treatment by transplant ing new thyroid is not possible, for only utotransplant tion has permanent results thyroid medication is effective in the mysordems of adults, in sporadic cresinism it is if value only in the milder forms and when begun very early such cases the effect on growth is very marked Endemic cretinism and gorter are related Gorter a caused by drinking-water and is due probbly to a torin or toralbumin of organic origin. Iodize treatment is effective in proportio t the degree to hich the changes are hyperplastic rather than degenerative. Falta behaves that endemic nd sporadic cretinism not identical and that thyrold disturbance is not the only cause of the endemic form. The toxin of cretinism injures the central pervous vatem and other timeres as well as the ductiess glands directly. The thyrold f ctor may be of greater or less import nee Therefore thyrold medication varies in effectiveness in differ ent cases.

ment of the benes and blood-forming organs, the

Tetany has been shown to be th result of hundfelency of the epithehal bodes, which are found in the thyrune as well as the thyroid. These bodies produce hormons which influences the calcium metabolism in the central nervous system. When they are deranged in function there is loss of

calcium in the ganglion cells of the upinal cord and consequently a coodation of hypercariability Different forms of telany are discussed. The cylthelial bodies continue t in cuton in subo-transplantation of the thyroid. Opinious differs as to the value of calcium medication. Falls has seen no effect from it. There are some errors in the section of discussion of the causes of problems of the hypophysis causes acromogaly. There is an interest ing discussion of the causes of combinatio f acromogaly with symptoms of Based ws disease or myxacdems. Decreased activity of the hypophysis causes hypophysacal dystrophy. Administration of on extract of hypophysis is effective, Cysts and gummat may occur in the epiphysis. Tumora are lound hieldy in young nules, so that it is probably

jound meny in young muies, so that it is probably questly of congenital abnormality of development. Pressure symptoms and trophic disturbances are matched percoclose development of the predicts development of the predicts. We thank it possible that the trophic effects of pincel gland tumors affect the suprarenal glands, causing speephasis. Operation has never been stiemmed.

Addison's discuse there is lymphocytosis, and frequently status lymphaticus, hyperplasis of th thyrms, and atrophy of the genital glands. Decreased function of the apprarenal glands is caused generally by tuberculosis t moon, but may result from hemorrhage or thrombosis. Sciencels may be caused by syphilis. The special affinity of diphtheria toxin for the suprarenal glands is noteworthy as cause of heart failure Adrenalin is a bormone affecting this sympathetic system. It is used with good results subcutaneously in collarse. and by the mouth for abstracting ersonhages. cancer and for phosphorus poisoning. Hyper function of the suprarenals may be caused by tumors of the chromaffin tarme. Adenoma of the cortex may cause increased development of the body and premature development of the genitalia with various bnormabiles in the sexual sphere. Early castra tion causes incomplete development of the genitalia and increase in stature. Lat custration causes contraction of the prostate. Eurocholds without being castrated, resemble ennucles. This condition sometimes occurs in adult lif as a result of diseases f the genital glands (trauma, syphilis, gonorthms. gummata, stanal buse alcoholism) In sexual defects in men, thyrold, radium and pitultrin treat ment is recommended and in women, organotherapy nd transplantation of the overles

Falta multiple droction-gland selectoris in an infection dissent that involves the practice part of the d ctions gland system. It can be disposed cipically from symptoms of hyperthyroddism canacheddam, insufficiency of the hypophysis, symptoms of delidions effects, and eacheria. There is the point of view of path-ological anatomy. Fars the point of view of path-ological anatomy is the contract of the contract o

faulty development of the duction grands is only

Monopolods are the result of exhaustion that is, they are the last-loon of families with uncross children. In the chapter on the pancreas Falls asys that pancreats (Rhiska is traquently combased with choleithisals and that it is part of another than the control of the relation to the control of the contro

The concluding hapter treats I the different I may I bestly Milpose dolorous as not thyroid in origin, though thyroid treatment often shows good results. Falta has contributed much t the understanding of the very difficult subject by his clinical matterial. The illustrations are very helpful. The bibliography sides proceed study. Knost.

SERA, VACCINES, AND FERMENTS

Lesser, K., and Rösel, H. Experimental and Chinical Results Obtained with Rescabeth T berculia (Cher Tebricka Rescabeth Experpentelle and klosethe Dishrangen) Belov Elsa, d Tebrical 9, 1, 121, 93.

d Televital 9 1, 2772, 01.
By Zestrabli L d. ges. Chr. u. i Germanis The uthors attempt t never the three following Are there differences in the form of tuberculous is treated and untreated animals? a. I there difference in nimals treated with old tuberculin and ith Rosenbach's t bereufin Do the preparations have specific effect on the animal body? Aspe guines pigs ere injected with me each of a strai of t bercle bacilli of the human type gros directly from the spatum. Moe others were jected ith 5 mg, each of culture of bacilli All of the infectious were severe. Some of the animals were treated ith Rosenbach tuberculin, some with old t berculin, and some not treated t all A few of the animals were killed soon after ward, and the blood as athdrawa for the purpose of demonstrating b complement fixation tests

whether it contained infloodes. It he first series, the salimals treated with old to hereulin seemed it show greater length of M in these treated is the owner of the top of the

hetik (tiek, was noted as specific effect of t berealin. The complement facation tests showed the persence of specific antibodies against the Rosenbach tuberculin. Gensine recorreies er not observed with either form of the breakin. Rosenbach tuberculin is t be regarded as mild form of tuberculin.

With regard to the clinical effects noted, Rosenbach t berculm showed only cutaneous reactio and this only exceptionally and heagiven in concentrated solution. For the intracutaneous reaction it was sho t be ooo times less effective than the old tuberculin. In the diagnostic subcotaneous test the Rosenbach t berculin always showed marked reaction around the sit of injection. The general symptoms ere more violent and more unpleasant than those caused by the old tuberculin. Marked i filtration, pain, and lymphangetla were frequent. The reaction t the sit of injection which appeared even with the smallest doses that had no other effect, were to be explained not only as being purely specific effect of taber calla, but as due partly t the albumose content (trichophyton products) Perceptible focal resc thous appeared only after injections of ms. of Rosenbach tubercuba therefore i mg. is not

sufficient for diagnostic injection. In diagnous the Rosenback tuberculis has so advantages It was med theraneutically out enty one patients according t Rosenbachs directions, but probably with more cautious duage High temperatures could not be avoided in many cases. The cases med for treatment ere severe but not hopeless. The severity of the local rear tion several times necessitated giving up the treat ment The lafturace on the general condition and the subjective symptoms as as tole good. I twel cases the chinkal fadings and the reneral condition were markedly improved. All of these cases were tolerant of the Rosenbach tuberculin. bile those that turned out hadly reacted much more strongly. The utbors ttribut the fallures. severe reactions, et partly to the fact that the cases selected for the treatment ere unsultable. Acut and subscut cases with extensive distributio should be excluded. Rescuose should be wolded In the dosage it is t he noted that focal reactions appear sooner the general reactions, completive effect and, expectably in severe cases. must be counted on Large mitial doses should be voided. Toxic substances are small in amount as compared with autigens but they are present. The presence of foreign non-specific albumoses is a disadva tage, for they are part responsible for Han 4 marked local reaction

Levin, C. The Treatment of Cancer Patients by Yaccinetion (Die Bekendlerg en Krebstrahm wit Vaccinetion) There & Gerra: 0.3 in 33 by Zestrabl I d gas Chr u. Grengrich

The whot experiments animals convinced him that utolysius of tamors have beneficial therapeutic action. The results justified the pplication of the principle to the treatment of human beings. An a togenous vaccine was made from the extirpated tumors to test their therapeuts alua in lessening recurrences and destroying metratases. The author cites two cases that were affected favor ably by the vaccine and very emphatically recom mends its use i suitable cases of cancer

Ruediter E. H. Th Duration of Passive Immunity Atainst Tetanu Toxin. Philippine J By Surg C ser & Obst Sc. 0 3, rus, 30

The trempt is made t determine the d ratio of passive immunity gainst tet us t x1 b series of experiments upon both horses and guanes page The experiments are grouped nder the following three heads

1 The duration of passive imm aut th horse after the injection of homologous mutets

The duration of passive immunity galnea pig after an 1 jection of tites no acrum from the borse, preceded by repeated injections of antitetanic serum from the horse

3. The denation of passive mm not) in th guines pag after an injection of a titerani serum from the horse preceded he epe ted injections f portual borse serum.

The author reaches the follosing conclusions

The subcutaneous injection of 500 mits f antitetanic serum from the horse at the horse confers passive immunity of bet een as and eight eeks duration. Guinea page subjected t repeated poculations

ith antitetant serum from the borne do not quire the power t eliminat t more rapidly they acquire a tolerance as is abown by a longer imm mity

3. Gaines ples treated a th repeated injections of normal horse serum acquire pass: rum nuty following the injection of an tetanic serum from the borse, that is of longer duration than the mm ruty of undreated galoes pigs I II SEGRE

BLOOD

Ordway T., and Kellert L. The Complement Content of the Blood in Mallemant Disease. J Med Research, g 3, xxvtil, 57 By Sure Grace & Obst.

The uthors have noted that in many cases of cancer and leukemia th blood sho such striking numerical and morphological changes as to make it seem possible that alterations in the function f the cells or plasms might be detected by examining certain biological properties of the serum. Their article deals with the harmolytic po er of the serum,

ha particular reference t les complement content By their studies it seems proven that in the majority of cases the hemolytic complement content of the blood serum in the different varieties and stages of buman cancer is relatively constant. The amount s practically the same as that found in health and in persons suffering with certain other diseases. Such human serum in most cases contains one tenth to ne-twentieth as much hemolytic comple ment as pooled serum from adult ruines pigs.

There is no i cresse of hamolytic complement in myelogenous or lymphatic leukemia. The hemolytic complement content of the plasma of citrated h man blood does not differ from that of the serum General P. Berney

Friedman, M Prolonded Intravenou Ìnfu alon (Uber latra codes Daparinipsion) Manches.

med Il'chandr 9 s. lt., 2 By Zentralbi, f. d. ges. Chir L Grenzgeb.

Proctocly see is destined to appercede a bentaneous and intramescular infusions. However, in cases in which the patient is unable to retain the fluid the retention of which causes - as in perit nitis unpleasant sensations of fullness in the abdomen the intravenous infusion I Haldenhal is the best method for dministering fluids as well as medica ments. It has been shown that rapid intravenous unication, especially with the ddition of larger doses of adrenaba, produces a marked increase in the vascular topus and is dancerous for the heart. The utbor therefore has adopted the method of prologged intravenous infusion, according to which only small quantities are infused t time and the period f infusion is extended over many hours. The techniqu is the usual one, except that the cannula, the arm, and the funnel filled with the fluid must be securely fartened. To regulat tha pench-cock is the bed to the rubber tube.

Friedman has obtained the f llowing impress as from his method () That in the dministratio fisalt drenalin, and digules sol those by the drop-method the blood pressure rises, not suddealy but gradually and remains at the same level during the period of infusion. () That this method has no by-effects. (3) That it causes no extensive burden for the beart. (4) That with slower infusions the heart ca sental larger quantities of fluid, so that a better finishing out f the organism and diuresis are obtained. Nuva

BLOOD AND LYMPH VESSELS

The Treatment of Varices with Spiral I cision (Zar Behandlung der Varicen mitteist des Spirabeheitten) Munches med Wasseler, 9 3, 12, 57 By Zentralbi, L d. ges. Chir u. t Grenngeb.

The author reports the ister results obtained by

Rindfleisch operation for varices performed at Garre's clinic. In six cases the immediat result did not seem satisfactory, but the later examination of five cases, one and one half t two years after the operation, showed surprisingly good result. The ulcus cruris recurred only once and then it did not cause trouble. For diffuse varices and in cases where simple ligating methods have failed the piral incision is recommended, though a sure and ideal result cannot be guaranteed. True

in three and oligomenorrhora is three. In four cases of myomata be obt locd amenorrhors t fee. The cases have been prier observation for several months The duration of the treatment was between al and (welve weeks.

A Consideration of Cystic Tumors of \ autri the Uterus of Congenital Origin (Consideration our last tensors kystiques de l'attent d'origine (constatule) Ann de grate d Catal 9 t. E. 15 By Journal de Chineme

I connection with description of two cases of subm count more of the terus, one of a bick caused an i versio of the ateres i young girl and was examined histologically \ utri protests against the general tendency to belles, that all cystle t more originat. In the Wolffian ducta.

Without doubt the Wolfha dects, which reclosely connected the the Müllerian ducts, are the cause of certai number of these east formations. but malformations of the ducts of Müller also play

linm.

importent part. Since malformations of the vagina have been sacribed t deviations i the ducts of Muller and since any anomalies in shape position, and development of the t he are likewise related either t lack of development or t giver-development of these ducts, why not iso don't that an emercrated growth is possible even in the eterms uself? I the development of the genital organs various evol tions is the enithelium are soced. Thus, the epithelium differs in the corpus, the cervix, and the portio. Numerous building phenomena re observed in the formation of the terms and its numerous glands. A berration during these profound changes would not be impossible

According t Meyer the encysting that fleet the oceans f Müller might tak place t the three fol When the t canals of Müller lowing periods occupy media line and are supported on the adea by the canals of Wolff. During the souling of the canals of Miller 3 During the separation of the

wirin states that when the crithelium covering the eyst is polymorphous in ppearance, cylindrical certain areas and flat-celled in others, the cost undoubtedly may have originated in the duct of Müller Cysis that have originated in the Wolfian ducts re covered entirely 1th cylindrical epithe-

In certain exceptional cases this origin may be recognized by close study of the decidus in normal or ectopic pregnancy I case of ectopic preg pancy reported by Terrord numerous decidual elements ere found t the center of an adenomyours collected beneath cavity formed by cylindrical colthedate which had its origin in the Mallerian ducts.

Vantrin asks further if very often t the center of adenosibroma there do not exist rests of Müllerlan epithelium from which, by encystment conjunctive L CHEYERS. reaction of fibroms may occur

Kalledey The Etiology and Organo-Therapy of Uterine flemorrhades (Lar Lehre on der Aria logie und Organotherapie der Utermblatungen). Deutsche Geschick f. Gyndt Halle, o.g. May By Zeutralbi f. d. gen. Gyndt. u. Geburtsk, s. d. Grenneh.

Kalledey treated t enty-one cases of dysmenorthere by the administration of overlan extract, and bserved the immediat cure not only of the local but also of the nervous, ymptoms. Five of the t enty-one patients became pregnant during the treatment. This fact leads the other t conclude that with the regulation of the internal secretion. the condition that I wars conception also is inflaenced favorably

On the basis of his results the uthor believes that the cause of dismenorthers is kynolization of the overy Forty-one cases of menoritaria and metrorrhagia be treated successfully with hypophyseal extract I five cases of hemorrham he effected cure by the use of corpus bitmus extract. One of these patients had been previously

treated unsuccessfully by all other know means I Kalledey's opinion his results confirm the theory that of erine harmorrhages are due t correla tive disturbances i the organs of internal secretion Il leaves open the question as t whether the result era produced directly by the hormous wed or by the hormon produced through the stimulation afforded by the inverted material

Kaleer An Obstinat Metrorrhasia (Em lardet Lis ger al van Metrorriagie) Andre before t-By Zestrafial I of gen Gyack Geboruh of Genzarb

The other used so co. of home serum subtu tancously and tamponed the terms with sol tion of relatine the immediat and perfect socress is case of nacoatrollable menstrual metrombaria. The ubertaneous injection of 10 ce horse serum la another case of uncontrollable harmorrhage from the uterus also as followed by ammediate and perfect cure S mptoms of anaphylaxis were slight.

Laurence Double Uteru and Vagina. Souken By Fory Gyaco, & Obst. # J 9 1. 7. 477 The author report the case of married once, forty-cight years old who had never been progress; as consulted wing t arregula bleeding. As aginal septem nd two evandattion showed

cervices. I opening the bdomen the first pregrance of the terme fundos was that of bicornat uteres. The left t be was not attached t the broad ligament, but fay free in the belominal cavity. The left overy occupied pocket in the broad figurest artherent to the uterine body. The right tube and ovaly were normal. T aginal canals ere demonstrated.

This was case of steros bilocularis. Several social payomat were found in the sterine all.

C.H.D vns

STRATE

Murphy, J. B. Procidentia Uteri Murphy's Method of Fixing th Uterus. Surjied Clinics of John B. Hurph 9 1, IL. No 3 By Suny Connec & Obst.

The patient was 56 years of age nd the troub! as of 33 years standing W th the woman th Trendelenburg position, a transverse semilunar incisson 6 in. long as mad n. above the ymphy als. The tissues were divided dow t the aponeu roses of the rectl. The latter ere then freed from fat over an rea in. ki and as long as the nesson and their edges retracted. The right recton was then incised for in close t the media is w١ parallel to its long tes. Thus numeron as extended through the peritoneum The fundus grasped by a vulsells, was brought out through the opening until the rerricocorporeal portion as learn The round and broad brament a re the clamped with hemostat on either asie dow t the cervicocorporcal junction and cut free from the terus dow to the tip of the forceps. The stumps wer legated and the tips sewed cour tely to the ervicocorporeal function. This portion as then slapped by a into the abdomen. Thus the body of the terus was left

bare and free bove the level of the divided recti The pentoneum was next sutured accurately around and t the circumference 1 the cervicocorporeal portion of the terus I thus y th peritoneal cavity was closed. The teru as then split through the middle from before ba k, parallel to the long axis of the body dow t the ervicocorpored junction. It was opened laterally to clear out through the dryided orana dow t the cervix, and removed. The t isteral flances of uterine muscularia wer then sewed firml t the aponeurosis of the rectus all the around making a bat-Ela flange over the reuts. Finall the divided edge of the aponeurous of the rectus was tightly closed bout the cerricocorporeal portion skin and fatty themes were united and small t the lo er angle f the ound.

When this method is used the fevus can never the tack into the abdomen. The traction on the attention regime will holds in bladder in position that on the partners or wignia. All holds the rectum The only intra-abdominal or his the detaching of the broad ligarinest. The storage is these are corted within the petit neum to the ompletion of the first within the petit neum to the ompletion of the operation. If this operation is performed before the monopause, great care abould be taken a remove all of the oterious monocan others are periodic hemset ma

Ill form at the menstrual periods The operation can be performed in so min tes L. J. Mircania.

Kuhn A New Procedure for th Relief of the Retreverted Uterns. J Obs. St 31 Arr. 918, v1, 70. By Surg Gynce & Obs. I this article the uthor gives his ideas as t the came of symptoms and his operative treatment for the simple retroverted uterus. H states that many women have retroversion ad have no ymptoms at all but that those suffering from this condition suffer through a pitosis of the abdominal and pelvfe viscers, causing an engorgement a d finally varacoulty of the pumpinform pleauses and loca

viscera, causing an engorgement a d finally varicosity of the pampiniform plexuses and loca ceratio. I one or both warles within the folds of the rolled broad ligaments. A previous inflamma tory pelvic condition or relaxed perincum will also cause varicosities of the broad ligaments.

Treatme t. The pumpfulform pletuses are both ligated. The outer ends at the pletic border are first tied i front; leaving the ligatures long then first tied i front; leaving the ligatures long then to tertine olds are tied in the same way, the static blood being the expressed through an incition. This leavas the unfoundbulo-petic ligaments related so they are plicated through an opening made in the anterior border of the broad ligament. The perit is neutral to the control of the broad ligament. The perit is never the place of the broad ligament with the control of the broad ligament in the control of the place of the broad ligament. The round ligaments are not desturbed. Evenus Cas.

Daris, C. G. A Review of the Literature and Case Report of R ptured Uterus, Sur Green & Oast 9, 3 xris, 5 By Surg., Gynec & Obst.

Most raptures of the tremts are probably incomplete as first, and are not recognized util feet in rupt re of the pentioneum. I refer to make a fair comparison of complete and complete rupture and especially of the methods of treating them, the satistics I hoth shoold the considered together Following these stateseens Davis discusses ropture of the term in regard to far telology and frequency. As the same of the considered frequency is to which ruptures involves the content of the treating the content of the frequency of the content of the c

The probability that moture will follor the modern Cenarian section in ori great, and in most cases should not be used as a argument in favor it settlians or performing the Porro operation. Section cases should be carriedly watched during the latter month. I subsequent preparation, and when there is privi deformity overdistration of the uterus, some questio as to the integrity of the old sear area. Cenarian section should be performed several day before the expected onset of labor under the condition of the pattern orders the strain for the section state of the pattern of the pattern orders the strain of the section section section section section section.

Treatment by tamponade and binder is good temporary measure and may give good results in this incomplete cases where there is little hemor rhage but in all classes of cases statistics indicate that operative treatment gives better results than oncevative treatment.

Werbolf J The Uterus of Waman; Its Normal F netion and Its R pture Incident t Labor (Die Geham tier den Weber, first sommie Arbeit und dire Zerrensungen wahrend der Geburt) Befin

Karger, 0 i B Zentralbi i d ges Gynak Geburtah a.d Grenngeb

The author lay down the general principles of the law poreming the physiology of bellow organs if the body namely the law if peritarity movement depending on the alternate jactic of the longitudinal and circula miscular coats of these organs. He proconnects our views in regard the physiology of the uterus duri g prepassey and during the poet peral at the all as the pathological relations governing rupture if the uterus erroneous.

Werbolf criticisms the theory of Bandi, that

thinning out of the lower terine segment is the

and places the fault in the frial lists came of runt of the timpe as a result either of difficult previous births or else as an acute developing condition in the first occumancy Councident with this frishflity there is functional weakness of the terino muscolature, the clinical picture of rupture varying according t either one or both of these pathological conditions. According to the author there can be no prophylams, as the symptoms heretofore called threatened rupture are reality due to gloning repture A detailed contradiction to the anatomic basis of the Band theory is offered the author pplying his will law of perstaltic moveporut to all I the uterine functions incident to labor and the poerperi m, and t the changes in form resultime therefrom H differentiates the action of the longitudinal muscular layer from that of the

circular the former producing complete effectment

the thoracse-abdominal presente, serving to expel the

nd dilatation of the cervix, and the latter aided by

In the antagenistic action of the abdominal in the antagenistic action of the abdominal muscles and displangm in upper fixed point of support for the contracting uterus is really to be found within the lungs. The contractions and is pushions of the humps and the changes in form last deat theret are the origin of the voluntiary muscles of the theoretic thread the contraction of the conplant, i.e., the contractions of the voluntiary muscles of the theoretic thread the voluntiary muscles of the theoretic thread in critics. Special of the thread thread to the satisfact abdominal traction are the satisfact of the point of the position of the original to work push. During an issufficiency of these rescales the comm in labor enderwors to ever come the distartance of the pressure palm resulting therefore by a sunning various positions most fast

able to her
The author recommends, as practical side
cases where an iss fiftiency crists, that smallsheder be pointed during the expulsio period by the
woman benefit and i manner most effective t her,
fine severe disastals of the rective with the so-called
Hangleish the contexted author of the position or
stretching of the contracted authors will of the
uterus would be too painful, of therefore the application of the bladder as contra-dorteale. The whore

has employed the binder in ... cases, with our gravenible results. The monograph closes with a complet contradiction of the Bandl theory of the Gamerant of the lower threat property of the contradiction of the state of the sta

ADMENAL AND PERSONNE CONDITIONS

Cohn. F Th Clinical Statisficance of Repture of the Fallicle in the Orany (De Kinicke Re destroy der Folkickprongrieller im Orania). Inth I Gyatt v. 1, 2015, 205. B Zentrall 1.d pm Gyatt u. Geburish. d. Grenoph

B Zintabl Ld ges Gyntk a Gebreick d Grenaph I the requered of gradien folible the peritosal cavity communicates with the inner part of the owary for time at the site of the repture. To layer of furthe cells which form over the sit of requere keyry fills and it often further fallowed requery fills and to often further fallowed requery fills and the site of the peritosal and new cyst. Also may requere and harmorriage say follow. Bacteria from the abdomisal cavity say

enter int the overy t the mie.

Harmorthage from follocle has its origin either torn essel or i deeper-lying ovarian tissue. Schauta has observed follicular harmouthers of several liters of blood. Harmorthage int the free perhapsal cavity from corpus luteum occurs nearly as often Barett described such case where port than to liters of blood were jost. Cohn adds at cases of his own t those already published. In five instances the severe harmorrhage came from fully developed and in one instance from retisgreative, corpus luteum. In two cases ruptured t had pregnancy was suspected in the other four cases it was found incidentally. The hemorrhese in two cases was due to pressure on the matered follicle during an internal examination. Hemor there of this kind may be controlled with mattres entures or by exchang the part Large followler harmorrhages ca alsa yabe recognized at operation amaller intraperitoneal hematoceles may be present without symptoms, and are found only incidentally The harmorrhages may be follo ed by adherious between the adnexa and the peritoneses.

between the adversa and the peritoneem. That bacteris infiguries that the follower has she That bacteris infiguries that the follower has she made to be a follower that the follower has been at the smallly to goodcool or been bacterist and but rawly it expressed of staght/secord or presumenced. I have recorded by Orthanau the finishested extremity of the tabor calcos to the enterded directly fat the copus friend absent. Pays found an active in an absence of this sheet.

Friendel, Orthmann and Menge state that total diseases in particular are pt t cause as infection of the folicle and corpus interim. The heffilm coil and unerobic organisms play mirror role. The ruption of folicle and corpus interim sty be penetrated also by callular elements, such as and soons criss. Von Franqué Curs of an Ovarian Cancer with Métastases by Operation and 8 basquest X Ray Treatment (Helma sios Ovariakardsonn soit Metastasealiklung durch Operation mit achfolgender Rottgenbestrahlung) Desitele Gesilled J

Gyest, Halle, 9 , May By Zestraib! 1 d ges. Gyask u. Gebertsh s. d Grensgeb. I patient, 6 years kl an varia cancer the size of head, which penetrated deeply into the

bread legament was removed. April 19
A retroperitored measurams the sur 1 fast and
numerous lymph gland metagiases had to be left
behind. The after treatment consisted of V. rayling
with five crythems doses during three months, with
the result that the palpable metagiases alwaypeared.
The patient has remained free from any recurrency
to one year and must be considered completely
cured. On interocopical examination the tumo
showed the characteristics of severe malignancy
well-marked guitous polymodeur cells syncytial for
mations and automation and experience of the remaining and guitant for
mations and automation and experients of the surprisal for

Steinharter Endothalioma of the Ovary with Report of a Case of Mesorialioma of the Ovary Lance-Cis 9 5, cz. 5s. By Surg Gynec & Obst.

The autho discusses the classification of this condition, entities attention to the difficulty and network to the classification and pomentature is similar tumous of the wary. He between that in no case reported has it been prove that the tumor had no stight from the endothelium of blood vessela. As all the theore if the owary are evidently illustrational to the condition of the variety and the condition of the variety are definitely relation to the varieties endothelium can be established.

The uthor reports case, giving a brief history, the autopsy findings, microscopical description, and four excellent microphotographs C H Davis.

Sealignann, L. A Successful and Combined Method of Brochemic and X Ray Treatment of Malignant Tumore; the Cure of Retained the Combined Colorida, and the Colorida, in the Spilant Column, (there etc. effectively, localisation of the Colorida, in the Colorida, localisation of the Colorida, in the Colorida, localisation of the Colorida, in the Colorida, produced the Colorida, and the Colorida, in the Colorida, and the Colorida, and the Colorida, produced the Colorida, and the

The use of the X-ray combined with mesothorism manations so only a local treatment which is confaced to the upper layers of the new growth. It does not set upon the mose deeply distanted parts of the saccer and the mensations. If the present views that the saccer and the measurement of the combined treatment of the confidence of the combined treatment of the confidence of the combined treatment of the confidence of the con

Also on the basis of the other theory which is advocated by Czerny i. a., that a parasite is the

etiological f ctor of cancer: the combined treatment is the best. It is possible that the parasite might be slifled by the intravenous injection of arracetin just as the spirocheta pullida is overcome by salvarsan. After the destruction of the parasite or its toxines, the neoplasm can be resorted by the \mathbb{\text{ray}}

The utbor has used the combined method sue creafully in a case | prosonned recurrence of no ovarian acroma with metastases in the spinal column. The tumor disappeared entirely and the metastases in the spinal column were completely curred. The bad effects attributed to the use of arracted can be avoided by using it in small does and testing the sense of color every eight to ten days. Evisting diseases of the eyes are a contraindication to the use of the drug.

Ohman Ovarian Hama toma and Ovarian Ham orrhage (Ovarioversivandoista ja ovariokenatome

bta). Denderm, o 3, xxix, 55 By Zentralbi f d ges. Cynak, n. Geburtsh, d. Grenngeb,

Six cases of varian harmorrhages are reported. The cases were treated during the last year and discovered during the course of the operation. In two cases the operatio was performed f suspected extra-uterioe premiancy in one the ovarian harmorthogo was found associated with nterine myoma in another case an ovarian tumor was diagnosed in the fifth the diagnosis was uncertain and an exploratory isparotomy was performed and in the sixth case chronic appendicitis was diagnosed. Five of the operations were performed by the a thor All the six patients recovered. Five times a hematoma had formed and in one case the hamorrhage was just beginning and was most profuse i the region of the follides. Each case was examined microscopically Corone luteum hamatomata were found three times. I two cases a large humatoma had formed in the middle of the ovarian strome. Inflammat ry processes were not present within the ovaries but an acut pyosalpinx was found in one case and chronic pyconlpinx in another. In the other four cases both tubes were perfectly healthy

Ovarian hemorrhages may be classified as follows
Diffuse hemorrhages confined mostly to a
follode and its immediate surroundings without the
formation of a hematoma. Hematoms forms
tion in the ovarian stroms. 3. Corpus inteum hem
toms with distinctly demonstrable intein cells.

Surgical treatment is the best, as conservative treatment is protracted and hard on the patient. During appendentomics, especially if the premail prears healthy attention should be given 1 the overries to discover himorrhages or hermatomata. Canastive etiological factors could not be found in these cases.

Stetten A Method of Ventrofization Combined with Certain T but Sterillization by Means of Extra-Abdeminal Displacement. Surg Oyac. & Obst. & Chin., 9 3. xvii., so. By Surg Gyac. & Obst.

The author describes method of ventrofization combined with certain tubul sterilization. He

points out the uncertainty and completity of the various plane suggested for tabal sterilization and emphasizes the fact that the prevention of a fatur pregnancy without castration is frequently indicated in the more advanced prolapse of younger women. For such cases he recommends the combined opers tion, the ementual features of which re as follows Through media laparotomy the round ligaments are ligated about two inches from the terms, divided proximal to the ligatures, and freed from the broad beganents t the utering corner by a few sains of the actmora. The peritoneal edges of the incisions in the broad ligaments are sutured. Ligatures are then passed bet evn the tubes and the overles and the t bes are freed t the sterine attachments The freed round beaments and tubes are then brought through a stab-wound of the fascle, muscle, and peritoneum. They are drawn taut and fixed with suture t the fascia. A stitch through the scarified fundus I the sterus is included in the peritoneal suture. The muscle and fascia are closed in the urnal manner

For more backute frustion one or t of the fescial satures may be ressed through the term the peritoneum having been left open. The excess of t her and round ligaments is removed. The tubes are ligated and the stumps on terized. The tubes and ligaments should be left long enough t overlap in the median has They are then stitched t the fascia nd t the structures of the opposit side The skin is closed. The round ligament firstion part of the operation is practically the method advotated by M key The drawing of the tubes through the stab wound has the double object of reinforce g the fixation ad producing a certain

steriut y

The other mally surgers that this independ of the distal inde of the tubes certaid of the abdominal tavity might be used for the purpose of producing temporary sterility

A New Operation for the Sterilisa Riumbert rion of Woman with F tore Passibility of Restoring the F ction (New Operation sur Sterlisierung des Weibm mit Miglichkert der später en Winderherstellung der Fruchtbarbeit) Bei bille.

B'chanade 9 J. L 7×9 By Trainablid pa Gwalk Gebortab d Grenneb For the purpose of sterilustion each overy ponch or pocket made of should be put int pentoneum between the broad hyament and th nosterior surface of the terms, so that no warm can enter that bes which remai untouched. The free edge of the broad ligament is folded out the posterior suri ce of the terus, and the overy placed int this pocket. The free edge is then antured carefully t the oterus so that it becomes impossible for a vam t escape It is usually advisable in making the potart to aschor the overy with temporary retention suture of catgut through the fig. ovaril also t relatores the suture line by painting it with uncture of iodine so that no loopholes remain.

The restoration of function could be accomplished very easily by later opening of the pocket with liberation of the overy The author has performed the operation vaginally in aix cases during the past two years, with complete soccess as far as steniles tion is concerned. He has not had occasion to restore the function

F nk Brentane and Plauch The Treatment of Sterifley I Roma (Truttamento della sterifta ordiz donne). Ern untract, di che for f 913

By Zentralbi f. d. res. Gyndk, v. Geburtah d Grennyab

The chief came of sterility in the female is gonorrhore. Primary sterility on account of discase or general conditions is difficult t investigat Stendity due t congenital or acquired malformations of the vulva is cured by neislons or other operative procedures. Changes la the development of the oteres be but little influence if the development of the owner is normal. Infantilian is curable by electricity massage and dilatation. Steposes f the crryical capal of hatever origin. crompanied by started flexion of the sterns, must be dilated repeatedly ad for long period of pine The large number of operations devised for the trouble have resulted morally in fall re. Malnortions are important causes of steribty and if correc tion is not obtained by means of manual replacement or pensary an intra-shdominal shortening of the round ligament is advised

Tumors of the uterm such as myomata, are un-I warshie The author I are removing them by enucleation Malformations i the adnexe are morb less important than generational changes therefore suppose treatment is frequently indicated. and conservatism is necessary. As recondary sterilite the unbor considers those cases that have been terment once Thurty per cent of all sterility cases are of this kind and are usuall, the result of gonor thera. More rarely they result from overperal infor then

Brushan Hertzler L. E. Pericolic Membrane of the

Broad Ligament Surg Gyac & Old 10 3, 1975. So. By Surg Gyaco & Old. From both chancal and experimental evidence the author concludes that surgeons have taken too nar row view of the so-called periodic membrane the broad ligament over varicoso pampiniform oleves may be found as enturely similar structure consisting of network of subperstones? vessels. arranged prevailingly parallel from below operard nd connected by ane venets with the plents be-neath. These venets become empty when the chlated pieces is tied off and removed. I re-operated year after pamprolform resection, similar membrane, well marked t the first operation, was found t have wholly desappeared. An analogoes formation occurs the deep layers of the skin of the scrotum in varicocule, when casels nor mally visible have become as large as goose quills.

The author has produced membranes of this kind experimentally By careful i jections of salver nitrate solution the transparent spaces in the meaentery of laboratory animals can be shown to contain minut bloodless channels which dilate and fill with blood in response to stams or irritation bit of sterile gaure be thrust beneath the peritoneum a typical perico5c membrane develops. The pericolic membrane is thus of circulatory origin and a special case of what the author has called war It is not a developicosity of the pentoneum mental anomaly although it may affect an abno mal peritoneal fold. It does not follow severe crises, but is always due to alight, long-continued disturbances. It is to be distinguished rigidly from pseudo-peritoneal membranes, which result from exadative processes.

Welff Rare Distribution of Resorbed Dermold Contents (Setton Verbreitingswegs des resurbierten Dermoldisalis) Destade Gesellsch f Gyndh Halle, 013, May

By Localita! (4 ges Gyark. Gebraths 4 of Gereageb In a case of right-delde ovarian dermold with criticalive resortion of fat into the wall of the tyst and lint the broad ligitancet there were also three cysts the use of hazel mut in the meantering sham of the popular containing typical dermold fat contents. The changes in the wall of the tumor were scritical with the change occurring in the tumor while in the cases of resurption of fat described by the change of the content of the cyst will be searched by demonstrable tripinar of the cyst will it is senumed that the transportation I the fat occurred by way of the lymphates.

EXTERNAL GENITALIA

Lexicol The Transportionsed Vesticular Root for the Citro of Certain Operative Vestico-Vaginal Pitrulas (De la cie transportiono-vascular port la cure de certales fitules visico-vaguales opératoires). And and dis de Veclor o 3 le 18 y Journal de Chirarpa.

The vesico-raginal fastule which sometimes follow bysterectomy when the blacker has been injured in the course of the operation are very difficult to treat from below by the small variations. On the other hand, the upper root is recommended, the contracts of this kind. The operation is then other than the state of this kind. The operation is then other than the contract of the state of the contract of the contr

Median lapareousy is performed below the unbillions, with opening I the peritonerum and protection of the logarity field. Then the posterior bedder wall of the posterior field that the median line the incident certoding the protection of the logarity of the periton of the logarity and the periton of the logarity and the pubes until the entire hadder is exposed to its base.

This gives easy access to the fistula which can then be seen through the incision in the bladder

3 The vagina and bladder are then separated with the scissors until the two structures are as independent as they were before the fittula was formed. This separation of the rw walls should be carried at least a centimeter beyond the edge f the fatula.

3. Careful suture of the bladder in two layers

4. Separate suture of the vagina.

5. Pentonural f the Injured sorfaces. Leguen recommends allpring the pertoneum over the two structures in such a way as to I terpose between them a veritable peritoneal cul-de-sac. If sees no danger in this I terposition of peritoneum, but believes that It f you rapid healing rendering the sature farmer.

6. Closure of the bdominal wall, leaving a drain

in the peritonnal cul-de-sac.

in the periodical consessed the case of a patient separate and this method the case of a patient where the periodic and the base of the varies which could be easily seen by cystoscopy and which was situated between the two unctern! fifters. The patient for turn ensantly doy and night, evacuation stating place both by the urchirs and the variant. Following the operation there was some abdominal reaction with tympanites but this ceased after purpative on the third day. The vesical extinct was removed on the tenth day. At the most leaving the bospital the 3th day the patient of leaving the bospital the 3th day the patient of leaving the bospital the 3th day the patient of leaving the bospital the 3th day the patient of leaving the bospital the 3th day the patient of leaving the bospital the 3th day the patient of leaving the bospital the 3th day the patient of leaving the bospital the 3th day the patient of leaving the bospital day that the present of leaving the state of leaving the leaving the state of leaving the state of leaving the state of

Heymann, H. and Moos, S.: Experiences with th V ccin Treatment of Gonorrhose in the Femal (Enlargness ther Varchabehanding der chiliches Gonordo). Handle Chiland

chilchen Conorthol) Mematche f Gelectia.

Gyadh, 9 3, xurvil, 623.

By Zentraibi i d. go. Gyada u. Geburtah a. d Grenngeb.

Heymann and Moos employed arthing in clustery as cause for diagnostic purposes, and in fifty his cases for freatment. For disposite y cress, given substitutionally was not reliable of the tentivone substitutionally was not reliable of the tentivone uncomplicated cases I good and the substitution of the tentivone uncomplicated cases I good the tentition of the tentition one forty fore cases with complications (northy admiral disease) rendered a long tentition several times several tentition of the tentition of t

Very decided positive reactions were obtained also in non-generational conditions in no case of tubercubast of the adners, in tw. case i ppen dicits with accordary adneral disease in one case of tubal abottion and is one case of ovaria cancer all diagnoses bel g confirmed by operative findings.

In fifty nine cases arthigon was employed exactly

according t Brack di ections. I jurious results were never observed local reaction only rarely focal reactions several times, but I most cause only on administration of larger doses gresseral reactions ere balanced most frequently. Only differen cause remained without fever all others had temperature rises from a few tenths of degree to over forty degrees the general condition rems and unfaillowed. I multiply the desired of the condition of the end that the condition of the end result obtained to receive his green or criterion of the end

The results betweet in fresh open uses (outship of cerns (prometers) et ashould by agratine in adults. Volve-rapidits to this/free was not retated. Other adness descree as scarrely in fluorence, note cases show on slight improvement and seven none. Better results, to ever were obtained it area severating doesn't decided improvement area per eat of the rases, decided improvement. The subjects in protection and the per certs and to per in tonse whatever the subjects improvement in a patient was good, a saight. There was no largoverment in 6.

Most decided improvement occurred I four complications excelle to case, marked I three on bo improvement only some I this has could be obtained by other method. I from these results if can be seen that the various restances to the second between the control to the complication of the complication of both methods. The combination of both methods would record to the combination of both methods would record to the combination of both methods would be provided by give the best results.

MISCELLANZOUS

Relizel X Ray Therapy (Résignatifes-Therapis)
Desirele Guellack / Gyeth Hills, v 3. May
By Zestralbi I.d. era Gyesik v. Gebartsh d. Gerangeb

The trechnique for X-ray treatment is minutely described. The thorn myst through the first three using a second of the many through the first three using a second.

Alumi um diter of 3 mm of a food distance of 5 cm. Two shares of a exposure each on two succreding days form one series. The does it measured by the Kimbück method and amounts to 50 per series. The rays a supplied only through the a teries will. Tentry out of twenty-one cases of my omnate because that the treatment of the series of my omnate because the first three treatments. The tancer are the series of th

has so minimize our documents are rengaled. Its continued will be more have rended the continued will be more have rended the continued will be more have rended the second of the time forward in 5 cases, twice from the size of much head t that of fit or pose erg. The remptom disappeared in 5 cases, while the timer renained achanged. In 5 cases in freetroptitis hemorrhap can mornthe second of the second of

250 t 300 = 3 t 4 series were required for core plet cure. In half of all the cases, symptoms of clima appeared Daturbances of the bladder or box I were not observed.

If wrong diagnoses can be violed, if patients this irregular harmoniaps are subjected to diagnostic curettage before the beginning of the Arayteratures, and life patients are continuously kept under careful supervision during the treatment then somplete creek of indical sense may be obtained by the Naway treatment in cases of supervision that the subject of the patients of the pa

Foth X Ray Treatment in Gynecology (Ratt gratherspecia der Gynecologie). Denische Genisch

f Great Halls, q 1, M y
By Zentesible if a gen Gyrick Gebertisk of Greatest

Title describes the application of the North and

Fifth describes the application of the V rays as used by Graessner the Cologne Academy and the complications hich be observed (a cases treated by the ray As such, he mentions frequent desire t united nauses, vounting and pigmentations of the slan. The results of treatment reas follows I metrorathia, per cent were improved and to per cent cured in m omata, 5 per cent trainsproved s per cent impro ed and so per cent cared. Two cases each of myomata and metrocethia began t bleed again, pectanizating further rayings. Four cases of parcomata treated by the rays ager after wards for vaneus reasons treated sortically. I metrorathla curettage bould precede the raying void hismorrhage t the first measured period follo ing the commencement of the treatment.

N uses not running are probably oxused by the inhalation of the omes produced during the treat ment. It is intended to decompose the gas by catalytic methods before it is lahaled.

Rund V-Ray Treatment la Gynecology (Elisterature se der Gynecologie). Descrie General if Great Halle, rate, May.
By Zentralia if d. pra Gynak. Gebortuk a. d. Groungel.

Note that the control of the control

The symptoms of change of hi are not any more than those of the normal physiological climat. The thor finally reports the immediate accessory symptoms produced by the raying and describes the technique. On an verage 3 t 4 series are accessed.

sary in metropathia, and 5 to 6 i myomata, for the production of a amenorrhora

Heimann N. Ray Treatment (Rontgentheraple)

Dentecks Gesellick, f. Grank tlake 0 3, May

By Zentrakil 1 d ges. Gynak Geburtsh d Grenzgeb.

This is a report of gynecologic 1 \ ray treatme t at the Bresla clime Myomat terme hemor rhages and inoperable, as Il postoperat re cases of cancers were treated. The time clapsed since the raying of the latter is too short t permit the having of a report. Forty cases of my mata and metropothia hemorrhagica have been t eated, ad with the exception of one are il ere used In the great majority f the cases amenorrhota was produced, and in few cases onl an oligomenor emploss of rhera. In the unimproved case, malignancy arose d rung th treatme t and the ount Finally a latter was stopped on that description of the techniq is give

F. Il er O. O. Experimental Contributions to the Physiology of th. Fernal. Genitalia (Experimentelle Beitrage sur Physiologic der. enblichen Gentalorgino). Denitale Genitali f. G. dr. Halla,

9 2. May By Zentralbi. I d ges Gyrak Gebornik d Grenngeb

Feliner injected a large number of serually immature rabbits and games pegs with sloodols, ethereal extracts of pincents, owary and terms. The lajections, which ere in part subcutaneous and in part intrapenitosess, were carried out over a long period of time.

Lipstromy and sections aboved that a matted hypertrophy if the uteros resulted. The mutch layer was hypertrophed, the mutcon edicidedly thicker and higher the epithelium, nor mally flat graw higher and eyhodrical, and became dotted with vertical odel. The varies became larger and wider the eyhthelium assumed the characteristics of the eyithelium in preparator. The mammary gland enlarged t four or twe times its sorted size.

Very similar result were obtained also with the male animala. The upparental were greatly hypertrophied the ladneys also ed parenchyma tows nephritis with much albumen carrection. Evehes placestall extract from the same species was used, similar but much less marked finds as occurred. The same results were obtained as the precurred. The same results were obtained as the pre-

liminary custration bef re I jection.

The inditations used it is soluble— at a solution, you can skeed and other II is thermostable and therefore can be sterillized completely. Similar results were obtained with extracts of the ammotile membranes. Much weaker in effect were the results obsolving infections of alcohol-their extracts of toolwing infections of alcohol-their extracts of solvening infections of the obsolvening infections of the obsolvening infections of the obsolvening infections of the obsolvening infection of the obsolvening in

of bom-pregnant animals and of ovaries not co tain ing coopes interm of no p-prem t animals gave none t sil. Extracts of testicles produced the same result as the extracts of the ovaries, whereas brain extract produced mone t all. If cholesterin and cholesters extens are removed from the extract the effect of the extract is not altered. As to whether we are dealing ut an internal scercicle of the placenta, the author is unable t decide at the present time.

Nemman Cases Illustrating Certain Urinary Conditions in Women Associated with Frequent or Paint I hiterurition. Cin J 9 3 ahl, 93 By Surg Gyner. & Obst.

Newman gives very I teresting discussi n of the most important urinary disturbances in women, Cyntilis of pregnancy with its results. This f rm of inflammation of the bladder is ften overlooked at its uset as the symptoms are attributed by the patient to her condition. Another danger arises from the early disappearance of acute symptoms many cases, ad care is not taken to free the bladder from injective organisms. These patients suffer from inflammation of the bladder and the neck of the urethra. The author brightes with bone old solution twice daily and after a week has swabbed the urethra with pure phenol, and after ward with an alkali to stop the action of the acid. Coraine bongies are introduced to rehere pain.

Early west falleressian is often not accompanied by pair freezest instantion or noturnal incompanied by pair freezest instantion or noturnal incompanies and instantion of the same that the pair, he becomes the same when the kidney is normal, the ordine of the same when the kidney is normal, the ordine of the same pormal, and when one untereal ordine is normal while the other is altered, the renal lesson is on the side of the morbid unter.

I early laboraless I is Madder the most characteristic charges are hypersonia I be floor and neck of the hadder, associated with min nodelse hereasth the epithelum of the moora membrane of the bladder. The author eports case in which he curricted the caneous deposit on the floor of the bladder through the unriture. The patient was also treated with tobercuil.

Letters of the near of the Medic the rigory and the nearlow cause frequency of urination and often incontinence. He reports of urination and often poiled the phead prestured, the rest case his treatment consisted of irrigation with the creaming nate and choice of potassium and the permunganate and choice of potassium and the permunganite and choice of the property of the control of weak affice notwine. I a secret standard appropriate drainage and brigated with bornate acid and filtrate of women (lattle acid cultures)

Minute palypt in the arribra are rare, but may cause considerable irritation. They may be removed with curette or anare.

A case is reported in which movable right kidney caused severe pain at the end of microrition. It was cured by nephrorrhaphy C. H. D. vis.

Bauereisen A. Th Atria of Post-Operative Infection of the Fernale Urinary Tract (Uber the Ausbreitungs eye der postoperativen infektion in den elbbehen samorganen) Eische f gratte. Cred Lorpe, 93 by

By Zentrafil! I d gen Gynak u. Geburtak a. d. Grennech.

After thorough microscopical investigations the author comes t the following conclusions. The chief source of infection ! the urinary blackler is the prethra, from which organisms reach the bladder either as result of cathetenzation or of spontaneous ascending infection. These lead t an inflammatio of lesions produced during the operation. The The migration of organisms from the outside of the bladder through the bladder wall occurs only rarely and then only in severe infections of the surrounding thane. When it does occur howeve the orwanisms are rapidly walled off by infiltration and granula-tions as will as by the lymph stream which runs in the opposite direction. The same conditions hold in cases of infection f the ureters. The kkineys are injected either from harmatogenous source or through the spontaneous ascense of organisms from the bladder

The principal kinds i bacteris involved are the stankylococci streptococci and the calon bacillus, the latter usually in combinatio pyogenic cocu Avoidance of catheterization is dyned wherever possible. The preferred therapy is the prophylactic injection of boroglyceria and pitulitary extract. In those cases in which the catheter is indispessable irrigation ith collargol should be resorted t as soon as craticle begins t

develop

M yer A. The Use of Sertim in Obstetrics and Oynecology (Uber die Servinstreendung in der Geburtelaife und Gynachokupe) Hed Car Bi d

residents and Landetter 9 5, mill, 16 Zentralbi, i d ges Gynak Geburtak d Grenzgeb By Zentralbl. I d ges Gyrak

By means of series of successfully treated cases of dermatitis, herpes, urticans etc the utbo proves the correctness of his proposal t treat the tomernian of pregnancy with the blood serum of healthy pregnast omen. If the result is negative there must be an rudental dermatitia present or the serum infeeted is not normal I the latter case serum from nother pregnant woman must be employed Hyperamesis gravidarum, nephritis of pregnancy acterns and eclampsia are f vorably influenced, the latter especially by epidural inject one. Eclampida is rare in Whritemberg, but in the few cases treated the results were so striking and raped that they offered considerable encouragement for further investiga tions. The same is true of eclampas neonatorum.

The utbor examined the serum of poerperal women who, in stat | f the fact that they had he molytic streptococci in their blood, remained perfectly well throughout the entire course H describes the Severe general sepsés. three following cases After t injections decided improvement was

noted. The associated peritonitis, however could not be checked. Sepals with diarrhers. The patient had received two injections of serum from convalencing puerperal sepais case when improve ment set in 3. Collamba with diarrhora and exanthem. This patient as given serum from patient who had a becallus coll pyelitis. Improve ment occurred also in this case. In all of the cases immediat improvement occurred in the several condition of the patients, with decrease in temperature ad pulse cessation of diagraces, etc. In premay the scrum powerfully is not of much value, as it cannot attack the organisms within the throught Pregnancy serum was tried also in severe anemia. chlorous, and especially in ansents due to bleeding fibroids in the latter cases it tided the patients over until operation could be performed. Larranseau.

M yer 4. The Significance of Infantilian in Obstatrica and Gymecology (Die Bedestung des Infantalismus in Gebertsbelle und Gynakologie) Demails Grantick f Gynth Hells, 19 3 May By Louiselbi Ld. ges Gynak Geburtah a.d Greaters

I infantalism the first mensurual period is often delayed. The women are often and wrongly thought t be genitally diseased and are treated gyperologic ally without benefit Monatrustion is frequently smociated with dysmenorrhous so that the orking capacity is disturbed. In marriage, keyened sexual desire and dyspareuma lead to a true martyrdon and the marmage often remains children. If conception results abortion frequently follows. The disturbances of pregnancy are fren increased, all possible but harmless abnormalities being treated for this m wain. During labor eak pains, rapidity of the cervar decreased relaxability of the soft parts, par row pelvas et indicat mechanical hindrance lacer

tion of the soft parts, and infection

Resistance t infectio is lessened on account of the hypoplastic conditio of the circulatory avetem. For the same reason amenthetics are especially denserous in such uses. The ability t purse is The poorly developed perineum stually defecti has predisposition t prolapsus, but the retrofesio uters which is frequently observed in pot the cause of the patient's numerous complaints. Trest ment for I is unnecessary and often disadvantaxeous. A tartuous t be creduposes t extra sterine pregnancy. A deep call do sac may cause diamostic difficulties in intra or extraperitonesi rupture of tumors.

When infantile stigmate are associated with inflammatory adnexal disease of doubtful origin tuberculous may possibly be the etiological factor hen amounted with overlan tumors a may spanect embryomuts, and when tursors are present in the pelvis. dispiseement of the kidney into the pelves should be thought of Infantile women are congenital invalids, often simulating gyaecological

disturbance without being generally threated. SCHOOL

OBSTETRICS

PREGNANCY AND ITS COMPLICATIONS

Markoe and Wind The Thyroid in Fregnancy
Bell Ly & Heif \ \ \ a 3. 1.06
Br Surg Gyner & Obst

After examining to cases the utborn conclude that the relation of the throwold the physiology and pathology of pregnancy show the castly in its clickal annihilatestoes their to puzzling and difficult analyze. The trapports of h perthyroidized diminutic after conhument on the precision of the pressure
the hygienic surroundings.

2 A oldance of nervous strat and worry

3. Maximum of sleep and rest

4. Simple diet ad regulation I the be els 5. Tonic medication

6. I some cases administration of the syrup of

hydriodic cid.

In cases in which the symptoms are severe the authors drive bachet rest i bed

RO LET T GILLMORE

Landsberg. The Significance of the Ductless Glands for M tabolism During Pregnancy (Die Beiseutung der marmekretorischen Drusen für den Sodierschel in der Schungerechnist). Derschie Gestlich f Greit, Halbe, o j. M y By Zeitniell i d. gen Gynak in Gebrunk d. Grennigeb.

The eraries in dityroid gland were estimated in preparal betthes and the metabolism of hunger was prepared betthe and the metabolism of hunger was forest that in comparison it normal conductions ellipti increase in the protein netabolism occurred during preparancy after ophorectory. A decrease is the nitrogen extract of the troe corpus luteum. The ofcrease in the introgen excertion was between the metabolism and the manufacture of the properties. The ofcrease is the introgen excertion was not as marked after they noted even in the properties of the throughout the properties of the

was more decreased than after thyroldectomy

Emminations of the phosphorus and calcium exercious were undertaken but the results obtained so far do not permit us to draw a conclusion. For ther I vertical us will be made. The investigations made so far permit the statement that the function of the ductions giants during prepancy abova important differences from that during the non-pregnant condition.

Horsley J. S. Abdominal Pregnancy with Living Child Story Grace & Okst., 0.1 xvil, 5k. By Surg. Grace, & Obst.

Hordry reviews the literature on abdominal pregrancy with Piring child and records, with his wa case one hundred and fire others. There are six instances in which the mother recovered and the child and the mother were living and 1 pool health a year after the operation. In his wa case, which was ene of these six, the pregrancy was purently at full term. The worms had been in labor 1 some time and was exhausted. Her pulse was as. The child and placenta were enreloped in the membrane which derived its mortilion from the literature was about the whole of the child which are the six of the child word literature was about the whole with the child produced the six of the child word literature were immored. The patient and child made a stail cut cony recovery and both were living and ill more than yes after the operatio

Schewschoff S. W. Cardiac Changes During Pregnancy (Zor Frage der Veraderung des Herzens Inbrad der Schwangericht!) Ark. e. d. grbartik-graft Klus Prof. Rellick, St. Petersb., D. 3.

By Zeatrafbl. f. d. ges Gynak Gebortsh, a. d. Grennech

The who examined the size f the heart in prepared mildrent days (o part) by means of Rougen cays and size by means of the routeness pershy (focal distance m.) H used a Baser tube. In order t bring the anticathod agricult the middle of the heart each time employing the same central rays each time, a special attachment was constructed. Exposures were made during the middle phase of respiration and when the stometh was empty. The patient was placed horizontally in bed. The time of exposure was not less than two seconds 1 order that the exposure might be made during the dilastole. The measuring technique is descended in orderall.

From the data in the table that accompanies the original article it is evident that the size of the heart and the influence of age, size weight and number of births were different in all of the ten cases examined. In nine cases the heart did not d crease i size during the poemeri m. I one case in which there was itlum cordis decrease of the cardia, area up to cm occurred From his obse vations the author concludes that the normal beart does not become enlarged during pregnancy and is not dilated. As t. bether there is a minimal hypertrophy the microscope alone can tell.

Walthard The R Lations of Cardine Disease t Pregnancy Labor and Puerneri in (De Bezeh meen der Lekrankungen des Hersens en Schwanger schaft (schutt und Wochenbett) Dentsche Grad-

sch f Gynet Halle, o t. May By Zentrathi f d. ges. Gynak u. Geburtsh u. d. Grensgeb Consider g the high degree of certainty with which a sortic ancurism is recognisted by means of the orthodisgram, the thor feels hattifed in discussing the relation of ardiac disease to pregnancy labor and prespension especially sortitis luctical and its result -- ancuram of the sorts Among the 35 cases of alvular defects which ere observed in the past t years during pregnancy labor ad partnerium there were five bick presented the ortic insufficiency in three the recture of ortodiagram revealed broader sortic shadow two of the latter sho ed left-sided recurrent larynges! paresis ith hostseness. Two of these patients positive Wassermann. In two patients tare. cileiosi findings of ortic assificiency were present I the third case the fuerle change I solled prises nally the 1th nd descending sorts (utopey report) pd the sorts as diluted t sacrola ancortem The clinical findages henced by percussion and escultation ere bowerer moch ben merked

The course of the pregnancy and labor as dif-ferent i the three cases. In the case i hub the sortic shados as namo est and a like no persmere symptoms or negre arritation existed no cardiac disturbances act during the entire pregnancy unt !

few bours before delt en. Dyspaces made t ppearance 5 hours before delt ery and for that ream the patient entered the hospital Labor ad the purroctium however, went on Ithout ans serious disturbance of the circulation I the second case, which the widest sortic shadow as present the patient during the eighth mouth commenced t controlain if severe pains is the back and left able with disputes and yancals. I the interest of the hild the patient as treated symptomatically t bring the aterruption of pregnancy as near f term as possible. Suddenly rupt or of th. neurosm and death occurred Immediate Caracra section benever (alled I evive the asphysiated child As soon as rupt reoccurred contractions of the terms were perceived. I the third case ith the mediumsized nortic alcadew, pains in the chest dyspaces and hoursesess developed in the middle of the last month of pregnancy. As labor set in dyspnors, oppre-sion i the best and cyanosis became aggravated and as the blood-pressure was don't double the normal at the beginning of labor. Casaresa sertion was performed neler lumber neethers.

I rom the literature be concludes that in ancuram of the acris i pregnancy rupture of the neurism usually occurs during the latter half of pregnancy or d ring labor. It is highly probable that the rise of blood-pressure incident to uterine contractions during pregnancy and labor is the cause of the rup-The author's conclusions are the follo ing That a pregnancy ! a patient ith un sortic accurism abould be terminated by Casarran sertion under lumbar aparthesi and that sterillestion abould be performed t the same time

Grond Fregnancy and Labor | Organic Heart Disease (Om havendeskap och förlossens vid organbas hitrifel). Allen men Laterial Stockholm, 911.

z fe By Zentralbil I d. mr. Gyalik u. Geburtsk. d. Granges

The author investigated the material of the hourital t Malmo. Plity-four labors ere observed I forty-two women who had cardiac disease, i. cardiac insufficiency. To labora occurred in six omen three labors is one patient, ind five labors i another Three died. Tuteen women had mitral mufficiency 23 mitral stenosis plus metral imoffi cleary acrite insufficiency and aortal and mitral insufficiencies. In 34 cases compensation was good, i so poor I the latter 6 were pear incompensation The per cent of pregnancy occurring in onces with cardiac disease was a per cent. In \$7.5 per cent no disturbance of compensation occurred during pregnancy Concerning the influence of heart dis ease the a thor oneledes that the importance generall amplied t it as causing apontaneous abortions is largely verestimated. Labor was spontaneous in ; asta and operative in ta (forcers times, manual extraction twice. Constrain section once) The terms as emptied times ith forceps ad dulf spoons in bortions. Not acc did a severe bost-battam passouspring occur.

Nummer should not personally be forbidden in these cases. I the iter time the uthor found as verage mortality of per entum pregnancies with beart disease. The mortality as 1.6 per eem in cases collected by him. It is not any more danger ous t go through labor with ell ompensated valvular disease than under normal onditions Homen suffering from heart disease bould be pla ed under the observation of physician during the last hall of pregnancy. The termination of labor should be left t nature. Interference should be resorted t aly i cases where the expulsion is too protracted nd the patient is put under great strem by the labor pains Profound other narrows seems not t be contra

adicated in uncompensated beart disease. Positive adicati as for the induction of prematire labor can hardly be fixed each case must be treated strictly individually Premature labor was adacted! only one case the fatal result for mother and child For the eduction of permature labor the author recommends rupt re of the sec and pituitria. In ancommensated cardiac disease induction can be in

question only in the beginning of pregnancy and there only in multipare. The latter cases should sho be treated individually. The induction should consist in tampond 5 the cert utern and vagina and if possible in repture of the sa. Evacuation of the uterns is accomplished with abovision forces and dull spoon. Finally the author states that the prohibition of muritage in not justifiable in it compensated cardiac disease. In case on accompansated cardiac disease or those inch as new the limit of compensation each and every case should be judged individually.

Van der Hoeven, P. G. T. Myorms Operation During Presmancy (Myoomoperation in do granger strap). Valert Handacke v. verleit en braument, 9.3 il. 425.

B Zentralbi I d ges. Gynak u. Gebertsh d Grenzgeb

The ambor gives a short sound of the permittee treatment of shoulds during preparacy gives a should be supported by the property of the most inputs at literature on the subject. He then report three of like on cases in which pregnancy was not interrupted after embedded of the fibroids and hiving children ere born t term. The prognosta is earl formulate for both mother and child. Start for the fibroids and the subject is the subject to th

Von de Veide Myerme R troflexion, and Pres maney (Myeom, retroflexio en sampenchap) Voleni Mandale a nerical en Françoit o y u. 190. By Zentalbi i d. geo G. tak. (arborish di Creangeb

The thor reports three cases I pregnancy com-plicated by myomata and retrofication. I the first case the myoms was situated in the anterior wall of the uterus and was nucleated during the fourth month of preguancy by laparotomy bortson fol-loand three days later. There ere no further complications. I the second case the pryoms was attated in the cul-de-sa I Douglas. The uterus rose out of the pelvis in the course of the pregnancy Spontaneous delivery of living child resulted after the tumor had been lifted out of the pelvus bemanually In the third case the pregnancy was compil exted by peritonitic symptoms as the sumor had grow from the posterior uterine wall and was ad herent in the cul-de-se At term Cæsarez section was performed and living child delivered. The uterus with the placents and fibroid was then amputated supravaginally or seems. The recovery was uneventful.

Keemak The Diagnosis and Treatment of Ectampsia. Bull Lyang-I Harp N Y 39 3, is, so. By Surg Gyant & Obst.

Considerable stress is laid upo the disquotis of the prematitory signs, as the prophylaxis is of such great importance. Each patient should be warned by the physician of the spufficance of headache algebraness discloses, and virsal disturbances during the last two months of pregnancy. The author calls particular attention to those cases which have to assume without conveyations.

When the patient is seliced with a convulsion be given immediately 14 grain in morphice followed by the administration of eatheries and enemas together with blood-letting in adiable cases. Ha warea gainst the addiscriminate use of chloroforms and believes that many deaths have resulted from chloroform poisoning. Disphoresis is encouraged by wrapping the patient every two or three hours in a blanker rung out of hot water until perspiration is fire. In the bearce of cedema tho blood-stream is dil ted by ceionde infigstions with normal sait set itso, not less than 4 gallons at a time with a temperature of 5°F. Eclampia comes inbetween the seventh and ninth month and if labor does not proceed spontaneously pregnancy abould be deliberably terminated without dangerous hates. Where the pulse is of high tensio viratrum veride and mitroglycerin are used.

I Kosmak a summary be orges:

interference.

The certainty of diagnosis.

s Governing the treatment by the signs and

ympt ms of each individual case.

L. Conservative sedative and eliminatory meas-

ures before radical operative measures.

A. One convolvious should never decide the surrical

ROSEST T GUARANTE.

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Schlossberger A. Two Cases of Edampais Cured by Means of Hypophyseal Extract (Zwd Falle von Dilampio, school: mit. Hypophysearizaki) Devision of Welande 9, p. mit, and

Dentacke med Webnacke o t. med t. dat B Zentralbi, f. d. gen. Gynak, u. Geburiah d. Grennsteb.

Case The patient forty two years old was t term in her fifth pregnancy. The cervix was closed and convulsions had been repeated. The urine showed five per cent albuminuria is to pitugiandol and o.o gm. pentopon was injected. Co vulsions crased after one and ne half hours and consciousness returned after three hours. A second dose of pit glandol was given. Spomaneous de livery occurred five hours after the first injection. Recovery was complete Case The patient was twenty three years old and six months pregnant in her second pregnancy. She was unconscious having repeated convulsions and amuria. Injections were given as in Case Alter lorty five minutes the convulsions ceased ad drurents began in three hours A second injectio was given and spontaneous delivery occurred in five bours. The pure perium was normal. HAPPECK

Routh, A. Observations on the Texamina of Prefinancy and on Luganics from th Obstet ric Standpoint. Land Load, 9 J chary 61 By Serg, Cyner, & Obst.

The thor gives a brief review of the recent work on the texturnias of pregnancy serum diagnosis, the relatio of the organs of internal secretion and their genital functions, and lactation.

In discussing engenies from the standpoint f obstetrics he says. The chief aim of those seeking to sudow motherhood should be to give every

mother an assurance of security and well-helpe during the whole time of pregnancy labor and the poerperium, each of which is to her a neriod of

anxiety and stress

Eugenics should begin before birth, not afterwards. When syphilis is suspected small doses of mercury given during presupery often result in healthy child. It has been computed that if women were properly examined in pregnancy half the still-born children would be saved.

Routh believes that the remstration of births should be compulsory not only after viability but also for every period of pregnancy C. II. D vos.

Carr Coverenn Section. If Va. M J. O C YOU L By Sarg Greec & Obst

The author gives a brief history of this operation, and reports that he has performed at Conservan sections without a death. Three of his patients had contracted pelves. In one case where the measure ments were carefully taken the true confugate was 614 cm. Two patients were girls under stateen years are who had been in labor sixteen hours, with only partial descent of the beads, and the cervices partially dilated and rigid. A fibromyoma in the

sixth case made a modified Porto operation peressary thor believes that with the present I w mortality and low morbidity Casarran sortion should be considered in every case of difficult labor provided skillful surgeon and good nurse are to be

C. R. D vo

obtained.

Hartmann, K. and Losscheks, H. The Utwine Scar Following the Suprasymphysical Extraperitonesi Casarean Section (Des Uterassarbe nach suprasymphysarem extraportronation Estar acholit) Greak Russiaches, to 5, vli, 554 By Zentralbi (d gen Gynak, Gebertsk d Grennyeb

Hartmann had occasion t extirpate, d ring the afth month of pregnancy uterus which he had previously performed to suprasymphyseal Cenar ean sections (the oblique incuron of Frank) one incision to the right, and one t the left of the media

line At the time of operation the relations were normal, no adhesions of any kind being present. The scars could not be recognized macroscopically microscopically five connective tierus strands with interminating muscle fibres could be seen. I the cervical musculature alongside of the scar there were cystic cavities filled with mucus. These cavities were lined by cervix epithelium and were probably epithelialised attach canals. Outside of these cavitles there was an accumulation of foreign-body gunt cells surrounding unabsorbed catgot rests The anterior wall of the cervix was decidedly thinner than the posterior due t th bilateral scars.

Hartmann advises employing beerhable suture material and the voidance of including the mucous in the stitches. No adhesions will result if primary union occurs and the scars will not weaten in re-

peated pregnancies.

Van der Hoeren . The Chances for Subsequent Prefinancy after the Classical Courses.

Bection (De Isas op swangerschap as de klassicke section courses). Nature. Handle, princh project. in Fromes: 9 j # of.
By Zentralbi. Ld. ges. Cyrask. Gebortel. d Grenzph.

The title investigated the subsequent history of women who had been subjected to the classical Casarcan section t the Leyden chair during the

YEATS 500- 000

Thera were 4 cases, one of which died t after the operation of pulmonary tuberculous one could not be found, and five were unmarried. Two of the remaining seventeen had had subsequent abortion, and only nine f the t enty-four had niver birth to children. Six of the latter had delivered one child, ne had delivered two, one had delivered three and the last one had delivered seven children

The indications for the operation had been narrow pelvis, edampsis, etc. Six of the seventeen had had subsequent Caracresis section five of the six then remained sterile. The uthor thinks that intraabdominal adhesions are the came of the low fertility of these women, and is in favor of the variati (cervical and transperitoneal) section.

tmann, W. Countran Section Perfermed for Vaginal Stanoats Following an Operation Beckmann, W for Vesico-Vasinal Pletule (Kemeradanti wases Schridensemon and vorumgranguageur Hamiltot-oneration) Zinde / gwst Urel, Lebu, to 1 ir

By Zentralbi Lel. gen, Oyestik Gebartsik d Grenapits The author claims that in Ruson various stenos following an operation for vesico-variant figures is quit commonly an indication for Cavarean section. A patient, t enty-seven years old, acquired scar stenous of the various following the first presnancy. The contraction was attnated about the mkidle of the vaginal canal and a catheter lattoduced through it entered the bladder Operation was performed by tearing the scar times and turing the figtula, whereupon cure was effected. Shortly after a pregnancy occurred, the patient however not entering the chine will three days after the onset of labor and after renture of menbranes had occurred. The child was dead. The lower part of the vagina was markedly contracted lead pencil the lumen being bout the size of The cervix was not palpable Pulse ad temperature were normal Classical Casarran section #5 performed and she was delivered of a macerated fortus eighing 1300 gm. A supravaginal inputstion of the uteres was performed for the purpose of sterilization. The recovery was uneventful

BOXEL Suprasymphysesi, Cervical Courses Section (Zer l'rege des subrasvambystice, covernies Laisenschastes) Monateir / Genetal Gyath. Kalemetantini)

y 3, EXXYE, 16 By Zestra D.I. I d. gm. Oysik Orburtals d Gressoph. Lange reports t enty-eight cases treated by this method. He gives also his experiences lib it in OBSTETRICS 540

forty-two cases of contracted pelvis. The peration was performed transperitoneally (a) I cases where hast was necessary on account of weakness of the fortal heart sounds, (b) in cases where previous extraperitoneal sectio had been performed and the resence of firm adhesions was aspected and () in cases which were operated and shortly fter the oner of labor. Otherwise in twenty four cases the extraperitoneal method was employed, but t completion only in eighteen. Of the total number t entr-six had been examined previously outside of the clinic. I fourteen instances the operation was performed before the membranes had ruptured or within an hour afterward but the rest much longer time intervened, in one case sixty-one hours

The maternal mortality was very low only one case dying from sepails. One of the children was born deeply asphyxiated and could not be resuscendental injuries occurred. The number of cases of ato y was ther high (a) to spite of the subent neous injectio of an active ergot preparation shortly bef re operat n. In six cases tamponade of the terus was necessary, in seven adrenalin i jected into the terine musculature was

The operation was performed mindent. omen for the second time. In two of these cases the old stering scar was firm in the other two it was thinned. I ps case, however the aca resisted contractions for thirteen boom until complete effecement and dilatation had occurred. In the other case the scar resisted o tractions in sur hours without rupture A temperature of ver 15° C. occurred t elve times during the purepertum, but in most instances it was transport, lasting for nly a few days. One prolonged case of senses ended fatally

Caregreen Section of th Dead Kitner 0 and th Dying Woman (Kaleerschmit an der toten and sterbanden Fra) J abush years belies, St. Petersb o s. xxviii, 130 By Zentralb f d ges Gyalk

Geburtah d. Grenzech

The author reports are cases of Cesarean section, four on dead, and two n dying women. Among the former there were two cases of eclamosas myocarditis cordis with marked pulmonary ordems and hyperemia, and one marked hyphoscollossa. The operatio was performed within not ten min tes post mortem. Usually Kitner was forced to operate with unsterile instruments. All of the children were in a more or less severe amphysia, but were revived.

The two operations upo dying women were for severe eclampsia. The children were born The mothers died within two t four hours after the operation. Kitner is in favor of Casaman section in all cases of dead women ith viable or living children. It is much more difficult, however t set the indication o the dying, a the moment of approaching death is determined with difficulty Commens section should be performed in Il cases except those in which the mother is conscious and refuses the operation. Nearly always the child is

saved, and occasionally the mother also. The sec tion on the dead should be performed in all cases under aseptic conditions just as on the living

GD PUTE

The Technique of Caracran Section (Zur Tetholk des Kaiserscholites) Zestraßt. f Gyster c 3. mrvil, 7 3 By Zentraßt f d ges. Gynkk. s. Geburtah s. d. Grenzgeb.

Crearean section to-day is a harmless procedure. Scha ta advises the use of the transperitoneal inatend of the complicated extraperitoneal Cesarean section. Veit also recommends the classical section for general practice his reason being that on account of its relative simplicity it can be performed more easily by inexperienced operators. Velt places his patient in the high pelvis position which brings the uterus out f the pelvis. He makes one third of the incise above the umbilious and two thirds below it. The general peritoneal cavity is walled off with towels, and the uterus incised transversely An assistant then forces the uterus unward so that the transverse incision lies above the abdominal incision. The placents and membranes are next removed and the uterus is sutured with allk and a second sero-serous auture of catgut. After the removal of the pada the uterus is allowed to drop into the pelvis. A extreme anteflexio of the uterus is t be avoided, as it may chuse rupture. In the manner described the uterus can be emptied without allowing trace of its contents to enter the peritoneal cavity. The other has operated upon forty patients by this method with good results for the mother I every care.

Pobedinsky N The Results Obtained with Commrean Section in Russia During the Last Twenty Five Years (Die Erfolge des Kalserschnitts in Russland in den letzten 3 Jahran) Zentralld, f

Gradi. 9 s. Exted, 157
By Zentralit I d. gen Gyndk. Geburtak a. d. Granageb.

Prio to 885 all but three cases of Casarean sec tion performed in Russia ended fatally Since then 446 operations have been performed including those done for relative Indications. Between 85; and 800 forty-two operations were performed, principally for contracted pelvis, with a mortality of forty per cent due to bad asersis and unfavorable conditions. Between 89 and 900 there were cighty four cases, mostly for contracted pelvis, with a mortality of six per cent. The improvement in results was due t better asersis. Between 190 and there are ecorded are cases, principally for co tracted pelvis but also for scar contraction of the vagina, and for tumors. Recently it has also been performed for eclampela, placenta przevia, stenosie of the cerviz and for transverse presentation. The mortality was 7 5 per cent but only 3.2 per cent if eclempes and melignant tumors are excluded.

Frequently had conditions were met, such as ex aminations by ignorant and dirty midwives, other operative procedures, presence of temperature preeding the operation, od earth may re of the membranes. Shore oad its estraperitioneal methods have been employed but bandoned gain, as they proved illusory. I seek-ind through the placent flers a good prognous, implirity of technique is the keyrotte on the is but third I garred flabider injurn. Dread children ere foread maceter times in procase it ire of his however the after too. I have been been also and it. The operation performed to the arms of the time to the time to case in those of the time.

Resection of the t be employed mostly after I nt for re ra for sterilization the indications being repeated (astatest) section it ber culous and extensularia 1 the obstetacial clies at Mount from re section the living was pever performed befor \$50 because of absence of back tel unit setted nel es noor result it other chairs ad pour surroughly Bet een #50 ad con contracted prives re found at at three per cent of the wa These ere prior nall tre ted by pr mat by laduced I her ad crass my The head (estres section as performed sos ith good result. Sing the thirt-one operations has been performed best for contracted nel is A maternal most fits I none ber cent ad fort I mortality of recorded Out side of the line there ere fourteen (sarea ser Hom perfuenced Non bet et 8% voo

LABOR AND ITS COMPLICATIONS

F | A K Some Aspects of Labor Mechanism 1 the P hic Brim Serion M & 3 J 19 L clux 54 By Sung Gyner & One

The orbor at test that he finds from stud of the finale pelvas in cadavers not abelievous that the primon ore of the stream does not project material data to into the interest to the yargeberg. Durhard and Delee that I the majority of critic presentations caragement in the terror are dismetered by the first in the rule.

Pame believes that in high forcess operations the arm tract on blades may be applied astern-posterly to the after of the bend provided the permanent in II district pressure in the projection keys little force is covered to lung it head in the pel is in 3 case—both theoper two as just 6 ble, provided the output as report of lates.

Leal The Treatment of Francial Presents for (Dec Bibacollong der Vonlethuspeslagen) Mösche med H. kewie. 1 in 800. By Zentrikh I d. ges Gynik. Gebartsk. d Gennych

LIID P

This rat abnormal present then as found 3to tunes in to 4 labors of the 1st sich generological clinic. Concerning the reliosion of the frontial presentation none of the ommonly mentioned causes were frequently next. th. The child play the child play the child play the child play is the one of the front if present item.

more often the the mother. Fortuses of small and middle eight were found i the overs beiming majority (843 per cent). Alle large children eighig more than 5500 gm. ith normal-sized or over-sized bend ere seen in 57 per cent

The proposeds is relatively I worable for the mother Spentaneous expolsion of the child oc curred i 77 per cent of the cases the remaining 22 per cent necessitati g surgical intervention. The farrens ere used by times (10, per cent) ersing nd structio 4 times (a per cent) version and perforation of the head c times (& per cent) The prognosi for the chiki is not so favorable I the 5 5 ses of frontal presentation to of the children ese more or les asphyrmated ad one died. Thirty hildren died (o 4 per cent) death being directly at address! due t the course of labor. Those deaths re included but block place during the first 3 or 4 da after labor the result of trauma sustained dar as birth (hemorrhages of the brain) in the 60 cases he he ere terminated by the forceps, the deh ere of the head as impossible seven times. If the atraction with forcers in frontal prevents tion is impossible the author recommends the method of repeated applie those of the forcers as taught by Sc azoni in order to improve the position of the be d. The operation commit i applying the forcern diagonall, the concavity bring relied t the frontal part of the head. The head is then rotated to trans erre position by simultaneous traction of the for each of the forceps are removed. od again inches as in the low transverse presentatwo (upra t) directed against the occipation The bead is not ted to the median position and delivered to the or ratal posterior presentation The result if the operation are very favorable. The technique is not difficult. All seven cases menthosed been outli by terminated f rotably if treated i this ma net

I conclusion the following rules are given for the treatist of footal present into Lorg continued post i treatisment which results in 7; per east of spent necess testing to Contained and internal notation of the fortus according to the particular distribution of the fortus according to the particular distribution of the fortus according to the particular distribution of the particular distribution of the fortus distribution of the fortunal distribution of the fortus distribution of the fortus distribution of the fortunal
De Boria, R. Acu. Dilata ion of the Sterosch. During Labor and Immedia ely Thereafter (Le distatou signal de l'estenac cher les partirica es et les nos clies accouchées). Semaine sell, 30 3. acces, 69.

B & raibel of gran Gynate at Geburtab of Greenspelo

Although out dilatation of the stoeach quite often follows surgical operations, it is exceedably rare during labor on the early purpopellus only its such cases having been published thus far. These cases the author divides into three groups could lim it the pathogeness.

I the first f these groups he places the lifepatible r true obstetrical cases, I e those withour preceding gastro-intertinal distructures and withted marsitate it during labor. Prolonged and pathlulabor echangula, and constitutional I jury induced by loss of blood introduction, echangula, or infection, together with an increase in the prosts due t rapid delivery and tracti on the meanentry may be redisposing factors. In one case of contracted pelvia and breach presentation, the a thor attributed the distation to compension of the decodes in by the less of In other cases the wall wing of al added the distatio which was doe primarily a accumulation of gas within the bowel.

The second group includes cases I llowing anesthesis for such operative interference as Casarcan section. In these it is difficult to state how much the obstatrical element contrib tes to the purely

surgical cause

I the third of his groups the author considers those cases in which the dilatation is merely socidezaid complication of perganacy as abox in case of perforated gastine sizes with latest and ostruction and in another of Cesarean section in achieving patient suffering from uterion cancer in another instance the a their attributed the distration for encourier loss of blood does to place to previa. The mortality of the cases published extroding three patients who dided is perforation by patific when he mortality and cases cached, as a for per could be surgical interest in the same as that in cases due to surgical interest the same as that in cases due to surgical interest and account of the same as that in cases due to surgical interest and account of the same as that in cases due to surgical interest and account of the same as that in cases due to surgical interest and account of the same as that in cases due to surgical interest and account of the same as that in cases due to surgical interest and account of the same as that in cases due to surgical interest and account of the same as that in cases due to surgical interest and account of the same as that in cases due to surgical interest and account of the same as the same a

Ries-Finley Uterina Dystocia Secondary t Mitral Stanosia. Yashani Mai 0 3, 05 By Sing Gyaer & Olat

The author reports case ad tabulates the following general petholpies regarding valvular heart disease.

Of all the vaneties f chronic valvular heart

disease mitral stenoms is most commonly secom panied by heart failure during pregnancy

Aortic stenods without mitral stenoms is rare

in omen few cases of pregnancy in women who have acrtic without mitral disease ome under observation.

When symptoms i heart failure have preceded pregnancy they are made worse by pregnancy
 Repeated pregnancies at short tervals cause

greater risk of heart faffure than do few pregnuscies at loager intervals. C H.D vis

PURPERIUM AND ITS COMPLICATIONS

Treeman Incidence of Malaria in th Puerperium. Southern M J 9 3, 71, 420
By Surg Gynec & Obst

The thor believes that malaria is fally frequent complication is the puerperlum. If mentions the following point in establishing the diagnosis

Absence of any demonstrable signs of sepsis. a Periodicity or the return of the fever at definite time. His experience shows that with the malaria there is a definit return of fever on the third or fourth day

3 Examinatio of the blood for plasmodia. Positive fundings are absolute, but negative findings

4. Control of the fever and restoration of the patient by equinine

In the discussion, prophylactic doses of quining were advised during the poerperium whenever there is a history of malaria.

C. H. Dayn.

Öhman K. II Ovarian Abacess After Labor (Est Fall of pyovarium efter parties) Franke like

(Est Fall af provarium efter partin) Franke låk sælisk kendl, Heistogfora, 013, 1 447 By Zentralbi, f. d. gen Gysäk, u. Gebertisk a. d. Grenzgeb,

Ohman reports a case of ovarian abscess in a primipers 31 years old The pyro-ovarium formed connection with labor. The patient was successfully operated pon five months after labor Streptocoord were found in the pus. The overy was the date of goose egg with one large, and several smaller abscesses. The tube of the corresponding sid and the schera I th other side were healthy Part of the ovarian stroma was still present. Microscopical samination showed that only the outer 5 cm. of the abscrss wall was intact. I this wall were found connective tissue profileration unnerous plasme cells and polymodear leucocytes. The cosmophile cells had penetrated more deeply into the intact their layer than the others. The contents of the abacess cavity consisted for the most part f polyauciesz iencocytes, cosmophiles, a few lymphocytes and here and there a plasma cell. The bacteri did not take the stain in the services.

MISCELLANEOUS

Programmers.

Engelborn The Biological Diagnosis of Preg ns cy (Zar biologichen Diagnose der Schwager schaft) Zeabrahl / Gwath 0 3 kryst, 73 By Zeatralbi f d. go Gynak. Geburtuh, a. d. Grenageb.

Engelborn reviews Abderhalden a method for the disgnorts of pregnancy and the results so far published that have been blained by it. He, himself has tested the dialysis method in 68 cases. In each instance he used the scrum of both pregnant and non-pregnant women. The results were as follows I 60 cases of pregnancy the reaction was positive 49 times from the fourth t the tenth month and negative times during the ninth and tenth months. In 48 non-pregnant men among whom were women with normal genitalia, with prolapse cancer tumors and lying-in somen, the reaction was positive in 31 cases nd negative in 7 The author examined also the action of the scrum of pregnant and non-pregnant women on congulated cancerous thane, fortal liver tiesne, and ovaries. The results were contradictory. If does not consider Abderhalden's dialysis method specific reaction as diagnosis cannot be rendered by it. RUREMANN.

Jellinghans and Losse Th Sero-Disgnosis of Pregnancy by the Dislyzation Method. Bull. Lying-I Husp N T g 3, iz, 68. By Surg Gyorc, & Obst.

Their experiments are based on 563 examinations of different individuals and while not absolutely conclusive, they favor the opinion that it is possible

by the dislyration method to distinguish between healthy pregnant and healthy non-pregnant women. ROSERT T GILLEGER

Abderbalden, E. The Distrocts of Presnancy by

Means of the District and Optical Methods (Dis Duspose der Schwangerschaft mittale des Dislyserverishrem und der optischen klethode) Deutsche Gesellsch f Grade Halle, p 3, kl y By Zentralbi L d gen Gyalle in Geburtek z. d. Grossgeb.

Abderhalden gives review of the principles of ferment reaction in the body and explains the distrustion and optical methods. H holds that the methods are theoretically correct and the had results reported are inquestionably due to pour tech-

nique.
The sources of the error are as follows blood used is bemalviic or is not well contributabled.

containing cells which deepst in the distreme test. The thembles used are not well tested ad constant. A The organ has not been thoroughly freed from consulable bodies which react with nightydria. If the serum alone and the organs alone contain each icus than emough amino acids t give positive re-action when placed together the addition may be enough t give reaction though no digestion has taken place. This may occur in conditions like cardinomata, in salpingitis and hematomata where proceed products re absorbed in the blood Only violet or blumb color is positiva.

Abderbalden's Fregnancy Resction Mayer, A. Abderbalden's Fregnancy Reaction (Die Abderbaldenscha Schwagenschaftrenktion) Destrois Genelick f Gyndl Halle, 9 3, May By ZentraDi Ld. ges. Oysik s. Gebortin d Grennych.

Mayer considers Abderhalden pregnancy reac valuable id t diagnosia. By its use it is possible t determine whether the conception took place just before the first massed period or just fter the last one. The reaction is positive in cases of recent extrauterine pregnancy but negative in old cases in which hematoceles have formed and I no tionsting placental tissue is no longer present. The chief value of Abderhalden's method consists not in the diagnosis of pregouncy but in the study of the pathology of the internal secretions. For the latter study M yer used the male and female germinating dands.

The acrological behavior towards the function germinating glands with their great influence on the spairs organism is of particular interest. W know of many diseases to which we suspect dysfunction

of the overy M yer included in his investigation cases of elimenteric neuraschemia, hysteria, metramenorrhagia, dyamenorrhosa, amenorrhosa, myoma etc., in which we often find macroscopically changed ovaries. The practical value of these investigations is shown by positive Abderhalden reaction t wards the overy in case of metro-menorrhagia and a case of amenorabres. This means that in these instances there was a dystanction of the ovaries and the hemorrhage was cophorogenous. A curettement, which is the usual treatment for these cases, would hardly have been successful, as it attacks the endometrium and not the diseased overv

Pregnancy also shows interesting conditions. Diseases such as osteomalaria, venicular mole, emeals, and, pe haps, echampels, are believed to be due t disturbances in the overlan function, particularly of the corpora lutel. It is possible that the serum of discused pregnant women may react differ ently toward the every or corpus lateum from that of pregnant women.

Schiller P Abderhalden's Frament Reaction (Forscottreation pach Abderbalden) Destale Gradield (Gradi Halle og May By Zestealbi i. d. gen. Gynak n. Oebertah n. d. Gemepak Drawn

Schlier exampsed one handred and twenty-three cases with Abderhalden thal) als method airty-five of these also with the optical method sixty-tupregnant and sixty-one were not. He found two incorrect diagrams in the pregnant. Hematories gave varying results. I the non-preguent he had eleven incorrect diagnoses, the greater number of which were found in cases of carcinomata and myomata. In twenty three cases of tumors he had nine failures, and in thirty-eight cases of omen with normal genitaha or senilo atrophic genitalia he had two failures With the optical method correct disgnosis was mused twice, a positive reaction having been obtained in a case of myoma and a negative reaction in case of cornual pregnancy at the second month. Two cases of pregnancy and four cases of cervical cancer uplit of placental times as well as peptone-free cancer thane

Petri The Specificity of the Piecesta-Splitting Ferments of Presidency Serum (Uber the Spestillit der gegan Pincenta gericktsten Farmente des Schwangerschaftmarums) Zanbulk f Gystil, g &

RENTS 731.
By Jeneralli L.d. gas. Gynale, s. Gebortch. d. Grennych

The history and development of Abderhalden's reaction is given I detail. To test the specificity of this reaction Petri attempted to determine whether the serum of pregnant women is capable of splitting albumin other than placestal albumia, and whether placental alberrin can be spin by the serum of son-pregnant women. I both of his experiments he obtained negative results. The placents was split only by the sers of two very patient anexile myoms patients, the serum of with tube-overlan cyst, and that or patient with

recurrent cancer of the breast. On the theory that, as a protoplasm foreign to the blood, the spirochetes that are contained in the blood of inetic patients could cause the formation of ferments, the uthor examined the sern of fuetics. Only cases that had received treatment gave positive reactions. In explanation of this remarkable fact Petri states that sphochetes which have not been injured are so powerfully viable that the organism is not able to form ferments against them until they have been RUBERANY weakened by mercury or mivarian.

The F t and Cholesterin Content of th Blood in Presnancy and the Puerperl in under Normal and Pathological Conditions (Sul contenuto in grasso colesternos del sangue delle gravide delle pompere in condizione normali. patologiche) Ann diester giere, o 1 xxxv 181. By Zmiralbi i d gas, Gynak u Gebertak d Gennagela.

The author examined the scrum of 43 pregnant, purperal, and normal women to determine that fat and cholesterin content of the blood in these conditions Blood was obtained t the same hour each day a bours after meal, so as a exclude digestion Epamia. H found a slight increase dur ing the first few months of pregnancy gradually increasing until the end. The sam findings are present during labor and early prespension as during the last months of pregnancy N difference

existed between primipara and multipara
The cause of the accumulate of farty substances

the a thor attributes to a decrease in the ispolytic ferment, to general sluggishness of the processes of excitation in the pregnant reanism and t an increased assimilation of food. The increased activity of the organs of internal secretion, especially of the adrenal and corpus luteum may account to the prod ction of legithin and cholesterin. I echampala the fatty substances are par ticularly increased. The author considers tha cholesteramia a protection gausst the toxins of programmy. For figures and the method of protedure the reader is referred t th original.

Servor

Frankel Internal Secretion and Pregnancy filmers Secretion and Schwagerschalt) Dechale (Inners Secretion and Schwangerschaft)
Geordick f Gynth, Halle 9 3 May
By Zentralbi. f d. ges Gynsk. Geburtah d

d. Gremageb

The antihodies which Fraenkel used in the treatment f osteomalacia are biological, not bio-chemical. They are the secretions of the other They are the secretions of the other blood-forming glands which have become dormant in the scrum of those centrated. Fracakel did not find interstitial glands in the uterus walls in his far-reaching comparative examinations and they were not confirmed by anyone in the transactions of the Congress. However the reproductions of specimens made by Seits and Wallart convinced him that it may occur Their inconsistence how ever excludes specific function 3. The chalm that ovulation regularly occurs during the inter menstruum has been confirmed by Villemin, John Miller Robert Meyer Selts and Schroeder Seltz justly criticises Fraenkel for making macroscopical examinations I living persons with healthy internal genitalia. However, this is better than all the other methods which make use of extirpated diseased genitalia, since the exact determination of the age of the corpus Interm cannot be made microscopically 4. The corpus luteum law has not been doubted by anyone. Seits and Landsberg confirm it, ming entirely different methods.

Josephson C. D The Proof of the Presence of Spermatoson in the Carvicul Canal in Two Cases of Rape Eighteen Hours fter the Per petration f th Crime (Spermitosorr pavisals I cervi meri i ava fall av åkitäkt \$ timmar efter Michel) Allen men. Labortedu., Stockholm, o z. z. £45

By ZentraDd f d. gen Gynnk, n. Geburtah a. d. Grenzgeb.

The other describes two cases in which he was able to demonstrate the presence of spermatorou in the cervical discharge eighteen hours after the perpetration of rape. None were found in the varian In one case the discharge was rem ved with a cotton swab on a metal policator and spread on a glass abde in the other it was obtained with a Braun syringe. Several applicators saturated with wood vinegar were then introd ced into the uterine cavity to prevent conception if possible.

The uthor refers to the studies of Blumm and Runge in regard t the length of time that sper matoson may survive in the vagine and aterus, and discusses the methods of examining for them in these grants. BRUNERIUM.

Warnekros Piscental Sucterminia (Piscenture Bac teriamie) Destaria Genellsch. f Gyudh., Halle, 0 L.

By Zamiralbi, f. d. ges. Gyndk, u. Geburtah, a. d. Grenzech. The usual positive findings in the blood during

febrile bortion have led the author to bacteriologic cally examine the blood of patients during pyrexia in the course of labor. In each case the examina thous were systematically conducted as follows: 1 Removal of secretions from the uterine cavity before Blood was obtained from the veins before and after delivery 3 Bacterioscopical stain-ing of microscopic sections from the placents and its membrane.

Of the thirty cases examined the temperatures were always higher than 38.5° C. The blood tests. always mad before delivery if high temperatures or rigors occurred, were positive in twenty-one i.e., more or less numerous colonies of bacteria were demonstrated in the large glucose agar tubes. Infections were mostly mixed. The examination of th blood which was removed after delivery remained sterile with one exception. This patient died three days post-partum from sepsis. Another patient succumbed t tuberculosis which rapidly progressed soft amount a corrections which rapidly progressed during the poorperful. In all the ther cases the fever subsided rapidly and the patients were dis-charged cured. Both blood examinations remained

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Tangemeristers A Young II ma Embrya (June)
sensebleher ii) Deniedelendieb f Opeth Hart
9 5, M 2

By Zenfulla Ld. gra. Cypsic. u. Celorath d Grangels.

The author demonstrated sections of young lours et v. It a Benaterised not so mach by its a lour company of the caripysted in this caripysted in this

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case eleven days after a period was missed. The embryo was bout twenty-one days old according to embryological data. The uterus was carefully onened and immediately preserved. A umber of pictures ere made. I the first picture was seen the anterior surface of the uterus with the groove opposite the egg capsule in the second was seen the posterior surface 1th the flat ovum deeply embedded the thickened mucous membrane. The ovum itself measured nly r mm. I the third and f urth pictures the ownm was opened one could see the broad villous mace the cavity and the embryo The first microscordical recture showed the umerous dilated glandular spaces around them the compact isver and then the villors gone with the intervillous spaces. The villi were a thout vessels and the latervillous spaces ere filled with cloudy all menlike material. It was especially noticeabl that although it as not a very young vum everthe less there was no blood in the intervillous spaces It could, therefore be concluded that blood is not normally found in the intervallous spaces so early in the human, and that nutrition must take place

from the substance mentioned. The extensive development of the mesodermal part of the vitil as remarkable when the smallness of the embryo was considered. The embry was considered: the chornes by means of the abbominal perfect. The ambout was the part or rounding the dorsal side of the embryo. The next price as the solid perfect the state parts but much callarge and showed the still open mediality groove. From the control of the still open mediality groove. From the still open mediality groove. From the still open mediality groove. From the still open mediality groove. The still the still open mediality groove grows the still open mediality groover. The next section passed through the still open mediality grows the still open mediality grows the still still still the still
exocorlum. In addition t the demonstration the author discussed the age of the embryo. A large number of young human embryos are now on hand. If these dated from definit phase of the ovulation and menstruation cycle, e., if fecundation occurred only in a limited period of the vulation cycle, then the different ova insofar as th relation t the last menstrual period is concerned, would make regular curve, presuming similar rat f gro th for all The author investigated the different eported over according to size and age after the last menstrual period. He found that the facts so ascertained regarding them are spread out over a considerabl space of time and that it is utterly impossible to curve. From this es conclude that th age of the ovum may show considerable variation even though the interval after the last menstruation is the same. If one now considers the age croeding t embryological development it can be seen that fecundation may occur at any time between two periods, but that the time when fecundation is most highly to occur is about a week before the first period missed. If the age is correct when fodgred according to embryological development, then the different ora ought to render a definite curve. That is indeed the case. The curve produced by the length of the curve. From these curves the age of the embryo when judged according t. development is approvimately correct.

555

In regard t the absolute age of the orum pothing definit can be stated in the huma as the assumed latent period (in which no growth can be demostrated) may be considerably shorter than supposed. From a study of the curves the author would rather believe that to be the case. If that is

fact then all the known ova are considerably younger than they are supposed t be. This, how over may be ascertained later by further studies on animals, which can be consistly controlled.

Wegner O. L. Contributions to the Question as a the Origin. It homalatic F1 id, with Pathological Anatomical, Experimental and Glinical Examinations of the Fancitons of the Forest Kidneys (Sairigs are Trays der lier texis des Truckrauser in pathologich-automiachen, experimentalies and hibident Outersachungen for the Position der Gittles Niera). Leight and

Virea Detacks, 9.3 by Zeamild 1.d ps. Gyesk, a Geberch, a d. Greangeb. To date, the question as to whether normally the focus secretes whose in sireo has not been answered. The other has itempted to solve the problem by pathological-anatomical, experimental, ad chairst awaragatoms. If concludes that the ferst likeley does not functionate a der normal conditions and therefore does not tale part in the formation of the

ammotic field.

The report contains also detailed account of total matieronations such as release of the methra, distation of the urinary bladder and bypo- and hyperplana of the kidney. It gives also discription of the experiments undertaken to determine the function of the fertal kidneys, and the results of the examinations of the urine of the new-born. An extensive hibilography is prended.

Bublitachenkan, L. I. Blemorrhous of th. New-Born and its Frevention (Blemorrhous sconstowns and described and A. Rowlakes 9 1.

rl, 540 By Zantralbi. f. d. gra Gynak u. Gebortak d. Greangeb.

Examination was made of smears and cultures of the screetic from the eyes of new-born children affected with geometrical and non-spontrious discreses. The ubour hord and non-spontrious discreses. The ubour is of the opinion that the cojunctive of the new-born especialty in the first days of ill is comparatively more sensitive to all kinds of inflammatory discusses than the conjunctive of dults. The custative factor of the server eye in fammations is usually the genococcus. Also at times this occus may produce merely a slight attarth. It is possible that more than no half of the blennor thousa see produced by streptococci, perspeccocci, etc. There are also blennormens the biological canasity factor of his cannot be determined. Blennilation of the cannot be determined. Blennination of the infection, gents through sligh heren those of the amount of more than the contone of the infection, gents through sligh heren those of the amounter membrane and the size of the manifold membrane and the size of the siz

The author gives satistics of the prophytically interesting and promotions with different remedes and in conclusion reports his own experience. He prefers weak, no criticality and thous a thin 3 s. p. prent solutions of protargol as recommended by Adille (and expectally a sol tion of sublimit and the control of protargol as recommended by Adille (and expectally a sol tion of sublimit and to of the trends of the regular distillation of the partners of the new local solution of t

Nádory B. Simple Surgical Treatment of the Umbilical Stump (Enlache throughthe Versory ung des Nabelschautrentes). Zentrald, f Gyeth.,

g 3, xxxvil yos. By Zentralbi f. d. gra. Oynak. Gebugush. d Gromanb

The method recommended by the author complete with the three requirements of Abfield, i. e., that there he positive prevention of an infercion, protecting against reconstant phenomenages, and no necessity for after treatment. As soon, as the policy of the processity for after treatment. As soon, as the policy of the processity for after treatment. As soon, as the policy of the processity
Freudenthal A New Proced to for the Enfangement of the Generally Contracted Pairie [61-(aster) Kuszirff am (onbittises) Evektrung das grad-verengten Beckens) Box Mas II clauser 9 3. L 683

By Zentralbi. f d. gra. Gynak. u. Gebertsk. a. d. Grennych

The author reports his method of gaining more room in contracted peirst. It is as follow. After reputure of the membranes, the entrance of the head is added as Goliov. A roll is laid under patient's back, each knee is grasped by an assistant, (leg-pointing outward) and during each pain it is brought closely t the media. He of the abdomen even pressing against it. Labor is rapid and un-

eventful.

The envianation is as follows: On account of the passive firstin of the femure the gistest muscles inserted on the trochasters are contracted in the effort to stretch out the legs, notions volcas, and exert.

outward traction on the Ilia. Stretcking of the sacro-Biac Hyameats results, the promontory recedes and the antero-posterior diameter is increased.

Von Hoytema, D. G. The Use of Pituitrin in Obstetrics (Pitalirise in de crioskowing praktyk). Nolock Mandada seriest, on Vrancence 0 3, 8, 305.

By Zentralbl. f. d gen. Gynnk. u. Geburtah. a. d. Grennych

From his own practice and thet of his colleagues the author has collected 85 betternel case in which pirtuint's was employed. In of these it which pirtuint's was employed. In of these it makes the property of the property

Rowland Pituitary Extract in Obstacrics. Maryland M J 9 2, bt., 6 By Sarg., Gyncc. & Obst.

In this article the author illustrates the effect of pituliary extract in the induction of labor the treat ment of aberdon, and its effect on cases in first and second stages of labor. Four case reports illustrate

the induction of labor and treatment of abortion. Concerning the use of pleutri in the first and second staps of labor the unitor cites twenty-one cases in which the drug was used. In these crees the external os was for the most part sightly district and the indication for the use of the drug was ineffectual pairs.

In this actics Rowland given from tables of pairs, pulse, and bloody-pressure I show the tritistically of one it the other I one or two cases the giviniary catrical second to have no effect, but in the aspicity of cases pairs were increased and labor hartened. I only two of the cases was the first sandyratated or in yary harmed, one was forces delivery and the other was also forces delivery in an eclamptic after convolution, in which instances the children about dead.

The author states that be got satisfactory results all cases where there was some dilutation of the cervix or where the head was engaged. In two cases putnitum was successful in sangle dose after an attempt at forceps delivery had failed. Allow beneres the head is on the perincum the delivery is always prompt.

Conclusions. Partitivin is efficient to finish abortion and to induce labor in conjunction with other means. It usually causes advancement of the head with the corviv healt dated. J. It is most socressfully used in the last half of the second stage of labor it save delivery by forceps. 4. It probably causes no danger t the child. 6. It should not be used in total conditions with high blood-pressure.

EUGENE CARY.

Henney N S. A Contribution t th Study of Pituitrin. Surg Gynec & Okst., 9 g, xvil 103. By Surg Gynec & Okst.

This article is the result of clinical and laboratory investigation into the physiological effects of pituitrin. It is divided int we parts, the first talking up the effects of patients upon the normal and elevated blood pressures of human beangs, and the remaining part the effects of pituitrin upon the lactating mannary glands.

Hann's mode that therefore to pituitin post the directions are directly dependent upon the roat I administration. When given travenously it produces an immediate and profound data thance, a marked locrease in blood-pressure of from 20 to 60 mm, and lowering of the pulse of from 1 to 50 bests per minute, this being accompanied by marked systematic effects, pulser great annety and symphotic structures of the profound of the pulse of the structure
Given by intramuscular injection, pituitrin infrances the circulation only occasionally and then but slightly. The subcutaneous administration has

no pressure effects.

Because of the possibility that an unrecognisable irrelatory disturbance may contra-localisate a todden rise of blood pressure. Heavey advues giving pitchinin fattvennessly only in grave emergencies, such as severe post partum hemorrhage. The microtraness method should be the rottine procedure, care being tak t void puncturing a blood-vased and introducing this powerfoi substance into

the blood stream In his inquiry into the amerted galactogogic ction of pitulitin upon human beings and animals, Heaney was unable to demonstrate clinically that the extract has any effect. He thought that the jection of milk barved by the original experimentars, which occurred immediately upon the intravenous injection of the hypophysis, might be another expresson of the already well known effects of this substance on the smooth muscle fibres of the body In these instances it showed its ction on the breast musde bundles, which by their co traction prod and a squeezing-out of the milk to tained in the breast. Heaney repeated his animal experiments upon human beings, using an instrument t measure the contraction of the breast justead of cannuls in serted int the napple. I every observatio he obtained definite evidence that the breast contracted measurably when the patient received pitnitrin intravenously. The knowledge that the breast contracts as result of this medication, together with the negative chnical results obtained when he tried to increase the milk supply in mothers with falling lactation, leads him t conclude that the results of the earlier workers in this field were wrong by interpreted, that the stimulus which extracts of the hypophysis seems to give to the milk-flow is really an assertion I the effect that this substance has on all gmooth muscle fibers.

Vortisch-van Vloten Statistics of Chinese Policlinic (Statistik einer chinesischem Poliklinik) Arch. f. Schiff.- n. Trojen Hyp., 9 3 vvil. 53-By Zestraß, Ld ges Oynak. Gebertah. s. d. Grenngeb.

The author was consulted 16,000 threas by 5 po. Chinese during 1500 - 0 when he conducted the hourstal VI Asi in the central part of the province of Canton. Over 3 foo case histories are vallable. Her only the obstricts and praceological material is discussed. Four cases of birth anomalies occurred, three 1 purporal fever 14 of mentional anomalities of disturbances during preparing 8 of mammary as of disturbances during preparing 8 of mammary of the province of various of various and one of various and one of various tumor.

tollowing operations were performed colored publish, bidder-state, entireption of a cancross vulva. The female residence of a cancross vulva. The female residence of a cancross vulva. The female residence of the cancross vulva. The female residence of the state of the cancross vulva. The cancross vulva means them. In another district three? four days distant bowners she is called quite commonly. Female children are of little consequence? I China they are frequently killed after birth, or if later they prove weakings, are staured. The care of the mubilical stump is bad, the cord is not dressed, even after the stump falls of. If supports does set in chevel leaves are applied if hemorrhage occurs, is bacto or earth and of continual telephone commonly results. In other of continual telephone commonly results. In other of continual telephone commonly results.

In case of pathological labors the utber was always called too late. The Chineso women cannot believe that European physicians have learned the obstaterion at Labors are nutually easy; the hips are well developed under the loose mode of dreas. Mild-alves are are unually mother-in-law or neighbors ender the necessary sids without any sappea, it this labors is produced internal and external massage is resorted to. The siter-hirth is removed by tractio on the cord or by mammal extraction. Labor and postperium are frequently surrounded by superation and foliatry.

Among the Europeans there were many menor rhagiss and shortions during the first t the third month, probably induced by a latest malaria. Labors in Europeans were usually normal.

The author presents literature in regard to Chinese physicisms and their methods of treatment.

Voy Minner.

GENITO-URINARY SURGERY

KIDNEY AND URETER

De Berne Lagarde and De Bes. fond. The Supra renal Capsules in Cancer of th Lidney (Los capeules surrénales dans le canter du rela) erel die de Vector 19 3, l, 72. By Journal de Chirurgic.

Taking up in detail a discussion which was started before the French association fo the study of cancer the authors state that nothing therizes systematic ablation of the suprarenal capsule in the course of nephrectomy for cancer such as was once recommended by Gregore.

After a detailed anat mical study of the blood

vessels and the lymphatics of the suprarenal, they not t out the theoretical dangers of undeteral suprarenalectomy as long as our means for I you! gating the functional value f these glands in specfic case and especially the independent val. of each one of them, re nadequat I the natomopathological chapter they sho how rare and often agee are the observations that are published concerning the condition of the supracenals in the course of cancer of the Lidney By means of letter writ ten t them personall they prove that larged did not recommend blatto of the supersenal in the course of nephrect my for cancer as he is quoted as having done. They then describe seven hithert unpublished tudies of the suprarenals in cases of cancer of the kidney. Three of these belonged t Legues and four were toine. Their conclusions are as follow Of the thirty-seven observations a bleh mention was made of the sworarenal capsules. no information as t their condition was given in four cases in eighteen cases the suprarenals were i tact nd in filteen cases they were neoplastic. I cleven of the fifteen cases in which the suprarenals had been i vaded there were ecompanying metastaxes i the lungs the liver the bones, and the pervous system and in two of these the supersenal metastasis was located on the side opposite to the cancer of the kidney Therefore the duesase of the

suprarenal may be considered regular metastasis. alen of generalization. The systematic ablation of the suprarenal in the course of perharectomy for peoplesm is not recommended.

MACRON CREVARU.

Krotossyner On the Differential Disgrees of Appendicitie and Nephrolithiasis. Cal. St. J. By Surg., Clymer. & Ohnt. Med 9 3, xl, x27 The author reported case I an operent right

atted pephrolithasis, hich proved to be an ppendicitis with several facul concretions

micturitio The diagnosis was made from pain

agonising in character. The urine was cloudy with abundant pus microscopically; mestoscopy showed no urine from the right side, while the right preteral catheter met an obstruction 5 cm. from the vesical outlet. Chromocystoscopy showed no color from that side within an hour Radiography showed apparently normal kidney shadows no both sides, with two small well-defined shadows on the right ald of the spinal column at the alt of the preteral impediment and poarently i the course of the tireter as ascertained by shadow-castler necteral catheter

On operatio the right ureter was found embedded in dense adhesions, and in the attempt t free them the peritoneum was opened and a long and tortuous appends was found as part of the adhesions upard and downward to point near the insertion

of the bladder

Since the operation, no urino can be obtained from the right side and the obstruction is still present at the same alie, but as the natical sation so ducomfort she refuses further interference.

LOCUS GrOSS.

Choravab A Rendy of the Mechanical Obstruc tion t the Circulation of the Kidney Produced by Experimental Acut Toxic Nephrop-thy J Exp Med 9 3, rvol, sp. By Serg., Gyrse, & Olst.

In study of the influence of disease on the circulation of various organs, as shown by the perfusion method. Ghorevel came t the following conclusions as regards the kidney Blood serum is the most satisfactory fluid vallable. There is some impediment to the circulatio of serum through kidneys in bich nephropathy has been produced by aranism nitrate, potassium chromate potassium amenate, cantharidin, and diphtheria toma. The hetological banges in the cells of these kidneys - welling of the epithelium and changes in the glomeruli — are such as ould produce obstruction. The circulatory obstruction is greatest in those kidneys in which the above changes are most marked. I the kidneys in which the drug has caused destruction of the cells the impediment is less marked than in those in which the cells are wollen but otherwise intact.

The mpediment t the fic of perfusing serum is in direct relation to the anatomical obstructive lesion, and tends toward normal with the cessation or healing of the process. Bacteria, though present in large numbers, impede but little the flow through the kidney Rabbits may have spontaneous nephropathy and show no casts or albumen. A certain amount I betruction is noted in these cases. TARRES F CHURCHILL

Payn and Macnider: An Experimental Study of Unitateral Harmaturia of the So-Gailed Essen tist Type Surg Open & Old q 1, 22 q1 By Surg Green & Obst.

It was not Macmder review th histenature this subject of types there coses of usualiseral hermaturas of the so-called ideep the type. Bird recrebest of all symptoms by nephrot my. The others are inclined to believe that the majority of these cases the nation in an in-broof inflammation of no 1 pe or another N series of representations conclusted to the purpose of send of the contraction of the purpose of send of the contraction
the groups

The experiments cam

Those in which it was it impled to ador having turn by interference with the 200 marnetor nervous mechanism (the ladne) () Those a which hamaturu as ttempted by the atroduc tion of nephrot we subst are at the renal stery which had special finity for the ascular element of the kidney (3) Those n h h the blood supply interfered the box luding the to the kydner renal artery by the use of pparent) meau ould therefore o tradict Klemperer theory that agroneurous ordems, and also Albarran idea that shight base of pephritia, sufficient cause of the unalateral hematuria Finally it seems most probable since scut nephritis can be eliminated that the choical ad to use 1

chronic nephritis one which there is rupt re of glomerular cosel and the bleeding kept up by the high local pressure so contant! found a bronic nephritis.

Newman, D. Remai Varix and Hypersemia as Causes i Symptomiess Renai Hamastoria. Brd. J. Sarg. 9 3, 4, 4 By Surg. G. tec. & Obst.

The subor it tes that there is also is cause for symptomies, recal hemat it. This stud deals with to of the more observe causes, namely testal varia and recal hyperamies. The only mappions of both these conductors is paintens hematuris. The fact that the blood comes from the kidney is existinhed by means of the cystomope. As tudy exists the blood comes from the kidney is existently also the cystomope. As not the cystomope is the property of the history and with the cystomope and the cystomope from read hyperamia.

Hin the treatment of these cases the bleeding does not record of region if regi, the kidney should be reported and its position examined. Any pressure or dutor that of the relative that of the relative and the kidney anchored such a position that it at or Wessers cannot recur. If the kidney position seems format, the kidney should be split, not the profile activally examined for various. Any rancer found should be removed either by cautematican, or by catter a state of the profile.

Sometimes it is impossible by operatio t find the source of th hemorrhag and even after the kidney is split the bleeding may continue. If the hemor

rhage is severe and the patient is getting weak, this is should be removed.

The technique recommended f r splitting i kidney is to pass silver sire, threaded upon a h needle, int the pelvis of the kidney and out aga The sire abould then be drawn through the kid substance it he asking motion. V Lasrousses

Ternel V. Pyelatomy (Zar Pyelatomic) Ziride Low 9 3 11, 324. By Zentralbil f. d. ges Chir i. Greneg

In larsel a clinic prelotomy is given the p efectover nephrotomy. It acver in forty to comes true oper toms for read facilian nephrotomy been performed eighteen time during the past in heap true good to good to good proper to the prelotomy and or gare good to good proper to the prelotom and or gare good to good proper to the prelotomy and or gare to present and there only with view later peirse impation. The pelvic wound hea without the formation of fistula ere when it was to good to good to the good to good to good to good to good to fat was carefully set red to all cases.

Combett, P. J. A Form of Experimental Neph tis. Und & Codes. Rev. 013 2vil. 163. By Sorg., Gynec. & Ol

The winor divides his tokies into three grow I the first proup be described the conduction of kidne the three the uncertainty of the first proper has been their for twenty four hour as days and twenty-all days. The twenty for hour kidney he found to be larger and heavier the acreal. It presented mostled presented the section. The convoluted tubules might have a lated langua, a compressed epithelium often though the convoluted tubules might have a lated langua, a compressed epithelium often though the convoluted tubules might have a lated langua, a compressed epithelium often though the language and depressable or measurements of the special language and construction of the section of the language and the language are noted. The epithelium deformed, and fachangs even outed I the epithelium. The epith all cells are pipmented.

In the second group Corbett assembles those is neve in which there had occurred marked far changes accompanied by a def mily of the thirds but with very fittle cell necroits or degeneration a comparatively little intentitial change. In this kidney ha from that fattly degenerated began the twenty-four hour kidneys and extended throw he whose series in a large per cent of the cases.

I the third group the author cites only one on.
This was as follows. The cross services showed
prest deal of ordens and in one place an infarCultures from the tins were sterile. I the arremote from the infarct in microscopical pict
showed at much codema that some of the tinh
seem to be citally compressed. The cells of the
tuindes appeared awallen and abnormal. The
pt turns suggested presential atrophy. Aside for
pt turns suggested presential atrophy. Aside for

this example of primary strophy no other was en-

Corlect's corclasions re-assistors. The histological pict re-each agricon trans-of-the many belong t a y-one | the following groups () pict res looky freembling epairins () pict res-ofsity, hange () pictures presenting ordema—the possible surgesties of troph. The modefuntroof-thow that the charges re-mechanist and a replace to, substance—A C Syners

Pousson, A. Indications for Operation I Chronic Nephritis (Indu 1 are operatores dans les nephrites heonques) J d'and 1 in. 7 By Journal de Charagie

The therapy of chronic penhatus is purely agreentomatic and the frequent important of medical treatment has used surgeons t ttempt t restrict the spread of the trouble and t remove mechanical obstruction t function ? overroom the effect of operation on the knines of the Inelastic capsule decapsulatio and perhitotomy ha e been performed. Both operations reduc the intrarenal tension. The second, b. the bundant hesporthage that t was reserves the at tem of nort of the towns that have ac amplaced I the blood and thus lessens the vaccala tension. It les terminates the capallary paral as buch as neeventing serous tra rudation. Des psulation abould be used in the less serious cases aephrotomy hers there is serious unema int in you subcutaneous orderes, oligara, apuearra and high blood pressure The mortabity of operation is only 1 per cent The dapper is least cases of ordens alone is greater in cases of remus either alone or amounted with ordens and inh objects and is greatest in cases of remus associated th oligana thout ordensa I rom the point of sew of permanent relief the results are best in cases of orderna lone of of ordered associated to ramus or objects. hest best are those obtained cases of uncomplicated aremia. Third best re the results obtained in cases of memus complicated by objuria, ad fourth, those obtained in cases of remix associated with oligums and ordensa

Indications and contra selectators for operating 1. trians producers. This is prices the most constant of R. consists in quantistals and quality tive changes; the rune and the presence in the rise of Shunia, cylastrical custa, seconcytes and rid blood corposcles. Persistent oliginats and distributed salt content is indications for opera too the smooth of shunian is not as believed to.

7. Choloremic syndrom The indications way according t bether the dropy is located the aboutaneous cellular timese the large serous cellular timese the large serous cay like, or the where. Amasara is an indication sactice is not contradication, but hydropericardium and hydroblora land ordens of the long increase the operature rife.

3. Cardio- ascalar syndrome. Myocarditis lith dilation of the heart hypertrophy of the left side of the heart lith a violent heat of the pex and gallop rhythm are cooter-indications, as is also Bright's percarditis. Hypertension of the arteries accompanied by true hypertrophy of the heart is an audication.

Functional troubles of vision due to a slight intorication if the encephalic nerve centers may be helped by operation but changes in the optic nerve and return cunnot.

Mysch, W. The Sardical Treatment of Chronic Nephrifides, Hernaturies and Delorous (Brokardingen Obridic champa ha ideadlong chand for Nephridaes, Hernatures and Delawa) Ch. arch Informacy 3 1 mm, 40 Dependent of the Nephridae of Nephridaes.

I the perture of exploits new laters must be then not consideration as the result of the sever dignostic methods, cytopocopy several cathering too, functional diagnosa. These new methods has above that serphritu may be miximal that survive received in a show that serphritu may be only partial, the survive received of the organ may be only partial, and the several content of the perturbation of the several content, and that there is more and the several content, and that there is more than the several content of the several

of the that belong t the last group. Mysels had to cases of nephritis hematuries and one case of old penbrits or so called hephrates dolorous. The first case of hereat ric nephints was that of ms. 4) mers of age. On the more examination, and of functional tests, a dist none of t berculoses of the Ladary was made. A pephrectomy proved this diagnosis to be incorrect. On careful namination the organ was found t be effected oul | th chrom. acount's with numerous bemorrhages and the straight unmary tubules. The rational recovered 1 the second case the putsent a oman 53 years of ge as suffering with ordens. Blood as found in the ne. A criticscores examinated also ed that the ureter from hich the blood escaped as normal. On the hash of this aid other examinations disgrooms of opera tive penhitrin bemat rice of the right lodger was made. The operation confirmed the diagnosis and

method of Aharras. Complet recovery results. The history of hemature nephrits is associated with the sames of lazzol, Albarras, and Presson. The di proses of this disease is consingent proceedings of the complete
decapsulation as performed according t the

The third case was that of man 3 years of ago who suffered from colicky pains. The pains could be induced also by introduci g fluid i to the pelvis of the kidney. The trouble was diagnosed as nephritis dolorosa Calculus, t berculosis, pyell tis, etc. were veluded by the absence f pathological elements in the urnor and by negat \ ray findings. At the operation the kidney as decapsulated nd a small piece of kid ey tusu was removed for The patient recovered microscopic examinatio and was free from further to cks of pain Microscopic examinatio showed changes simila t those of severe chrons, nephritis. The case, therefore was the kind of nephritis that is manifested only by colicky pains. This form is seldom observed. I useon found records of nly 4 cases of it I the literature and Kummell has observed only o cases

Ruge Th Present Standpoint I Regard t Nephritis and Nephriti Surgery (Bor don der religen Stand camert Vephritidegen und der Nephritischirurge) I gein d Chir Oriber 9 p. 1, 150 B 7 traibl 1 d ges Chi Genageb.

Albamen od cast ma it mes be dem natrated in the urine of perfectly healthy do schools fter severe bodily exertion and most be consulered as physiological depending, ac ording to La be pon hypersensiti enem of the renal alter. Orthost tic nd lordotic album miris their pure forms are relatively benign and are probable due! mechanical disturbances and rotatio of the renal circulation. By means of powerful massage of the kidney the excretion of albumen, cast epith hum, ad red blood cells may be produced. The dut rhances incident t wandering kidneys must bleame be con sidered as traumat nephritis. On the ther hand operate a todayes he proven the terreting fact that even the absence of untary findings defailt peph tic processes may exact the kidney excluding the well kno cases of tracted ladney with intervals of no albumen. The tirst symptoms of such nephratis without albume are frequently aephralgias ad hematuria. The opinio i present seems t be that such hematurus ar due cally t chronic nephratis which is al. 3 bilateral A nila eral nephratis or partial nephratis is possible but rare.

Action of decapsulation Acut and afectious pephritis sho s lipjury and swelling i the vessel bearing connective tissue followed by inflammation and degeneration of the epithelium. The swallen and enlarged kidney is compressed within to unyielding fibrou capsule the disculation and excretion of urine is interfered with Decarpulation relieves the tension, and even after complete anuria a marked excretion of urine will follow the operation in cases of acute nephritis. Tuest that has been destroyed of course cannot be replaced as regenera tion (kidney epithellum does not occur but injured cells will frequently recover fter the decapsulation. Edebohls believes that collateral circulation is established between the cortex and the surrounding these and that this is particularly marked if the kidney is embedded I amentum. Other writers deny this and claim that a new dense capsule again develops.

In t xic nephritis, such as that following poisoning ith carbolic acid r bichloride of mercury the kidney should be decapsulated especially if internal remedies fail. The Lidney of eclampaia should be decapsulated in case no improveme t follows the emptying of the uterus. I cases of cut nephritis following infectious diseases the Lidney likewise should be decapsulated in case internal remedies do not improve the oligaria or the premie symptoms. Acute infectious nephritis is of hematogenous origin and can usually be differentiat ed from the ascending pyconephritis. It is usually unilateral and demands a perphrotomy or perphrec tomy following ureteral catherization. In chronic Bright a disease decapsulatio has been performed in hich no improvement followed a thorough course of t estment. The decapsulation should be bilateral. In a fair percentage of cases clinical improvement results. Decapsulation is followed by improvement i certal cases i remia de t urls or oliguris. Severe homorrhages nenhriti in cases f chronic nephritis not improved by interpol therapy should be treated surposily In ddition t the decapsulation nephrotomy should be done to mak the of the ethologic cause I the bleeds g. Decapsulation and splitting p f the kidney should be performed also for nephralglas hich hamorrhages similar to those of chronic perbuth occur

Murard Chronic Nephritides from the Sorgical Viewpoint (Les répinies chronques point de voe chirurgical) Thin de dect., Lyon, 9 3 May By Josmal de Chirurgia.

The subset has tried to ascertain from the study of the literature of his own experience the ôle of surgery in chrone emphritides, both littlets allease and he other rent ascrose characterized by a point of the other characteristic of the point of the other characteristic of the point of the characteristic
the author hods that read intervention is at least monocous. In the unificial case, support the and tuberculeus kidneys of kidney stone cases, as which the trouble in the other kidney is componatory surject is undoubtedly of great value. Decaposalist has been tried with nome recens. A capasit is rapidly reformed and there are not enough maximosaling blood venes to have any effect on the dralange of the kidney. Nephrotomylopolarsty is not more efficacions. Nephrotomy which is sometimes followed by compiler cenation of albuminaria is an important operal in.

Murard describes the hematurias for whi h there is no dem naturals came as hematurias of latent nephritis. These are in some cases due to a t ber culculs or a derangement of function in th hemat respective grant, especially the liver. In these cases decaysulation is not sufficient and neph tomy is

often only temporary Read temors and continous hemorrhage are contra indications.

Painful perhitis without nephroptosis or renal the ecolosis is more rare than is generally believed. The rale may be due to perhephritis or Brights disease or an active localized acterois companied by Inflammatory congestio following tra ma calcular or attenuated infection. For this co different or attenuated infection. For this co different of perhitment adhesions and decapted tion, or

If there is congestion, orphrotomy is advised.

Operative treatment of Brights disease is modjustifiable only by the importance of medical
methods. Nephrotomy may help I there is congestion but as congestion | but ymptom and not
cume of the nephrith; it is really of no avail.

G. Corre.

Bi m V Th Physiology of the Kidneys and the Functional Diagnost of the Kid op in Renal 5 rays and 1 ternal Modifice (herenphysiology and foatboothe Nierradagoosith in Deast of nierradagoosith in Letydg and Vienn Deastic 0; By Zeitzild I. d. gs. Chir a. I. Grengeb

By Zeniralli f. d. ges Chir a. I. Gennysh Thop principal function of the kildrer is it and it all for the blood; the same owneds pressure that corresponds to the freezing not to the blood o. gr. The onco-repulsing I notes of the kildred o. gr. The onco-repulsing I notes of the kildred o. gr. The onco-repulsing I notes of the kildred o. gr. The onco-repulsing I notes of the kildred on several folial that the series and resorption of some of the graph of the onco and resorption of some of the graph of the products of metabolism of the part to be an absolute to be organized. It is the further of the kildred by the organized lites the further of the kildred by the organized lites the further of the kildred by the organized lites the further of the kildred by the product accommission of the sail in the blood

which ould lead t (TILL I from bet mes are excreted as follows The glomeruli are filters ith extensive semipermeable membranes b means of hich the blood gets nd of its superfluou ter It is assumed that also t the same time small quantity of salts are phered The urine i the glomerult is alkaline I the convol ted t bules of the first and second refer through acti cellular activity urinary salts are secreted. Une cid acid salt and phosphates, which are excreted by the t bular pithelium, render the glomerular filtrata acid. I the med ils of the kidney (i the exion of Henle loops and the straight urinary tubules) some of the ter and some of the saits re resorbed. I addition t its principal function of maintaining the normal outsetic pressure of the blood, the kidney possesses at athetic functions, such as the secretion of such after the injectio of phloridain. It is supposed also that it elaborates an internal secretion. Although careful examinations have shown that both healthy Lidneys do not always excret the same amount f substances of absolutely the same character this fact does not decrease the 'al e of the functional tests. I per forming functional tests on h individual function of the kidney should be tested separately water filtra

tion, sait exerction, and water resorption. The socalled topical diagnosis should be made.

Former methods led only t an anatomical diagnosis of the kidney trouble, and only the total insufficiency could be determined from the ordens. uremia, cardiac hypertrophy etc. To-day by means of ureteral catheterization and functional diagnosis the sufficiency and insufficiency of each individual kidney on the determined samely. Of the methods of functional diagnosis Bouchard test for the toxicity of the prine and Thudicom determine tion of the prinary coloring matter are not of me clinically O the other hand ervoycoor for the determination of the molecular concentration of the blood and urine according t the method of on Koranyl is of great value. The freezing rount of the turine warles even in healthy kidneys to considerable degree, according t Kammell and Rumpel, between

Cryoscopy is of particular value because it per mit a comparison but een the separated unperand became it can be need in experimental polyuria. Blood cryoscopy is of considerable value in determinant the function of the Lidney I not mai kidneys the concentration of the blood is con stant the freezing point according t you Korami halways - to According t Kummell the freezing noise of the blood is of considerable value in the prognosis of pephrectomy in cases of unlateral lidacy dresse I combination ith other fanc tional tests and chinical observations blood cryosmany ratances may be the deciding factor It is easily possible bown or that do -a so and we ould not dare, therefore, t perform Aendrectors?" If for instance the halves of both hidneys are diseased and both kidneys were just sufficient to carry on the accessory kidney function blood crooccery would seek normal values / nephrec tomy ould this case produce renal lesufficiency Ureteral cathetenzation, he ever ould prevent such an error By means of blood ervoycopy can measure the ormo-regulating functio of both kid-

nes the exertness. Albarran experimental polymia measures the so er of the Lidneys to excret water. Healthy dant themselves to peressed demand. In artificial polyuma the healthy ladney changes and increases its functional capacity hereas the infrared organ as the result of hith of reserve strength has lost this power either entirely or in part. Another method of tertion the functioning of the kidney at not the excretion of oloring substances that have been I jetted. The methylene blue of K tuer forms coloriess derivatives in the body and is therefore not practical. The indigo-curron test of backer ad Joseph is excelle t, the coloring matter parsing through the kidney almost unchanged and acting similar t unpury mit. The nature of the excretion therefore allow us t form conclusions in regard t the salt-secretary ability of the kidney The indigo-carson test as of great preliferance in undateral ffections delayed excrets of the



BLADDER, URETHRA, AND PERIS

Barney A Case Illustrating the Efficiency of the High Frequency Current in the Treatment of Tumors of the Bladder Benea M & S. J 1915. dut a By Surg., Gypec. & Obst.,

The writer reports case of apparently complete cure of a tumor of the bladder by means of the high frequency current. Cure was effected in nine at tings at intervals of ne or two weeks. Owing to the appearance I the bladder wall at the sit of the tumor at the last sitting, it was believed that the growth was cancerous. Supr public cystotomy showed the suspected area t be reddened, ordens tous, and brawny with a few small nicerations and a generally rough surface. Careful study of the excised specimen by two competent pathologists falled to find any tumo cells Cystoscopic examination of the patient nine months later showed no evidence of recurrence.

I regard t the misleading appearance of the bladder wall the writer quotes Keyes Jr who says It is a curious reaction of the bladder wall t the irritation of the current. The mucues swells up in such way sat simulat an infiltrating cardinoma.

Several weeks intermission in the burning ill

suffice for the subsidence of this. So far as is known, no other case of bladder tumor treated and presumably cured by the high frequency current has yet been actually impected at subse quent time either at operation or post-morten. This method of treatment is, therefore, i certain

cases of non-malignant growth, entirely effective. Streets Diagnosis and Treatment of Multiple Urathral Calcuit, with Report of Unusual Case.

J Am. M AB 9 1 10, 86. By Serre, Gymet & Obst.

The author reports one case of multiple methral calculi. After demonstrating the absence of stones from the kidneys, ureters, bladder and prostate, and the normal condition of the kidneys, he concludes that the stones had formed in the wrethra. H removed all by intra-urethral instrument tion

In discussing this condition Stevens draws distinction between calcult originating class here in the urinary tract than the urethra and simply lodg ing there while being passed and those which form there primarily. The latter are caused by the deposition of urinary salts in abnormal pockets, such as are formed by strictures and diverticula. Ground G. SEUTE.

Jordan Congenital Stricture of the Prostatic U ethra with Bladder Hyperplasta Urstbral Dilatation and Multipl Abacesses of Both Kidneys. J Am. H Att., 9 3, iri, ass. B Sorn, Oyner, & Obst.

The author reported a congenital prostatic stricture, which is exceedingly rare. The treatment proved unsuccessful his patient died at the age of seven weeks, having been under berryation three weeks. The post-mortem examination showed

stricture of the prostatic prethra, one fourth inch is length. The kidneys were enlarged, cycle, nodular and showed a chronic diffuse nephritis. The arriers were large and sacculated. The bladder was small the walls being composed of dense fibrous thece. C. D PERMIT

GENITAL ORGANS

Delfrad. Tre metic T tal Loss of Skin of the Mal Serval Organa (Evolvio cutes totale pa-Stationa irilium) Nord med Ark. 9 1 atv 11. By Zentralbi, f. d. ges. Chir 1. Grennan

Belirage reports case in which through trasmathem there was loss of the entire cutaneous covering of the penis and strotum. The penis, as covered with Thiersch grafts from the forearm, and the testicles were transplanted beneath the skin of the abdominal wall. The result was outto satisfactory The transplanted skin o the penis was freely movable. The testicles were not fixed under their cutancous covering and not exposed to pressure, so that there was no interference with the sexual func-

The author discusses the methods employed by others in similar cases and concludes that the Thiersch graft is the proper procedure for covering the perms. Where there is entire loss of scrotal ships the Thursch method may be used, or the neighbor ing aki may be tilized as plastic flap, or lastly the, uthor's method of transplanting the testes may be employed. Depos.

Carless, A. A Case of Peripro-Screen! Dermeid Cysts. Brit. J Surg 9 3 L 30
By Surg Cycen. & Olst.

Examination in the case of boy yours of age revealed t subcutaneous swelliags in the perment which had been present since buth and were alightly increasing in size. One of them was situated in the posterior part of the scrotum and the other at the anterior extremity of the perineum. Extending backwards from behind the two swellings was narrow median intradermic passage or track which reached as far as the smal margin. A stream of the creat contents could be seen rippling along the passage in the perineal raphs. Rectal examination was perative. The peois and wrethra were normal. The duamosts made was pertneal dermoids with extenmon backwards along the raphe. The cynts and the narrow permeal canal are removed by dissection with entisfactory result.

The interest in the case lies mainly in the existence of the perincal tube.

In this connection the author cites somewhat similar case reported by Ethington of Giragow The patient, by two days old, with an imperforate

area, had perincal tube that communicated with the bowel. The anthor believes that pathological conditions of this kind are the result of an error in the develop-

ment of the external genital folds. December



Ectopia testis is subject t influmenatio which. particularly the penneum may be either tra matic or infectious. Inflammation in the perincum m valm lat an incharrectal baces. When ectors testis is associated with hernia operation is I ya dvisable particularly for the bernia, The testis may become the sit ſ were th

Stevens, A. R. On the V. L. of Ca. terization by the High Frequency Current | Certal Case of Prostatic Obstruction. Y F M J

By Surg () sec & Olai Stevens reports to cases in high he socressfully policed Beer succession of call mane by the high frequency current for the rebel of prostatic fatigue

One case I so teast re of the esseal neck twenty-six ounces of esclusi time and noct mail enureus as cauterized six times by means of the Oudi current for total feashteen munutes. The residual rate as reduced tome and half our es In case of middle lobe prostatic obstruction fourteen ounces of residual unner the Oudin curre t

prdied at times for total of nine and one half my tes. The result is no reduced t a half ounce. The treatme to ere tolerated so well that no newbetic as used. Morey er they did not interfere th the patts to buspness ad

were not followed by par or serious bleeding Cauterization b high frequence current is not suit ble for large prostates but will probably proflerent for construction of the end I neck and for median hara or lobes and single lobes that project

int the bl dder rethra from other portuge of the prostat I B CARNETT Gebel Carcinoms of th Prost t (Über d Prostsiacarcinom) Leutralid ∫ 4. Geousgeb d Hed

570 By Zentralbi (d ges Chir | Greaveeb

f the prostat is relatively frequent disease. M roscopically carcinomatous prostat is frequently abnormally small t other t mes the infiltrated tissue omprises tumor that fills the eatire pel is Its omistency is usually hard. Its surface may be nod la or smooth. The tumor is nemally an denocarcinoma more rarely it is activitions. I most instances t is primary the prostate. Secondary t more are found most com-

monly after gastric t mora. These-called asteoplastic carcinoma of the prost t mostits of small noduks, hard nd primary the organ, with numerous metastages i the form of diffuse infiltration in diff rent bones hones of the pelvis, the lower portion of the spane and the bones of the lower extremity are most commonly involved. Prostatic hypertrophy seems to predispose to carcinoma. The early disgnosis can be only probable. If small, hard prostat is palpable per rectum, carcinoma must be suspected. The other symptoms are variable. The prognosis is prayorable. Advanced cases can be treated

aly symptomatically or pullbilly operation may be performed. Some utbors do not deem radical removal drisable even in the early stage. The methods of operation re riable suprample perincal, or combined. I case the bladder and semnal calculs are involved the uthor ad her the method of Volcker inchforretal Inciden ith the patient the belominal position. The statistics of the overati results are bad. A permanent result re reported to tinually however the at tempt may be made to effect andical removal of the remoma less the case is far advanced.

WILL O. R J Carcinoms of the Prostat Gland. Bril V J 9 L il, Co. By Surg Gynec, & Obst. The thor quotes Alburra a taristica as proving

th t a per cent of all prostates removed by opera tion show makeriancy and Young as sayler that a per ce t of all enlarged prost tes re malagnant, As bus for his paper William has collected notes on 11 cases of carcinoma of the prostate. If den not tax how many if y of the senses ere oper ted mon II drives operation for the actual diagnosa of carrinoma. If carchema is present, radical cure probably cannot be effected by spen-

than The other summary reviews the paper l be erage duration between the oract of improms and the tim that the nations saw the

surgron as fourter and ne half months

The verage ge as 6 The open ymptom as nothernally increased irroperor of martening a per cent, and gradeal obstructive of mictantion in per cent of the C2864

4 130 as mable and not characteristic-5 Urinary obstruction as marked feature; 7

per ent had complet retention, and further at per ent partial retention. 6. Harmaturia as not common probably 5 per

cent dld not show blood 7 On rectal examination, 70 per cent showed hard

nod les ath fixity of the gland.

3 The erage duration of the disease from the ouset of the symptoms to death was 5 months.

a logger at testica that so per cent of removed prostates show malignant tendency cannot be ignored If these figures are accepted, it is the sur grou duty to remove the gland by operation at soon as it begins t cause symptoms. The risks of the operation are t that tim smaller than the riels after melignancy has developed.

a. The treatment recommended when diarnoals of carcinoma has been made is as follows

(a) In the absence of rendual urase, give urinary antisereic, with opinm for the pain when accessary (b) If there is residual urine, begin catheter hie, calms a large-sized hard catheter give urinary

authoptic, ith option if accessivy () If there is obstruction, or if catheter lif is intolerable, establish permanent suprapuble

drainere M S. HETTERS Wallace C. Som Condition Sim lating Pros-tatic Hypertrophy Cl J o 1, all rop H Surg Cync. & Obst.

hab am lated thor reports as HC4 prost t hypertroph but p oved not t be One interesting case as that of un Il projection

hich on removal brought that at adot m our membrane and tab our turnue from the posterior urethral wall. The strand tar ed sever I minut

denomata The second case we oper test po b t no en found Ih blukler d ined Litzement love thout TT and eventuall Bosed t sulting benetit Then Ithough t onseleted to be case I secondary ton the bladder w reopened and edge shaped partion of normal prostate a remo ed. The pea of the edg lay bout half such behind the eth and the base corresponded t the post mor II of the useth abov the piculat to d t That normal mix tuntion as restored inducted t W U that the tun I defect symptoms ere due t

nes 1th landgact I The autho hims that ابدان دا tion is obstruted not b bending of the urethra thin h post t \ dusmous of rental prost tam should be mad thegreat TOTAL S

ses present as mp Conducum () That ma toms hich t first might re would be considered t be caused by prostatic b pertroph but but subseq ent examination all prive t be due t other causes () that prost tic enlargement ca be excluded only by bima ual xam nation through the opened blad for (4) that hen bima ual examination proves that the is no largement the cause of the errors of m t rition ma still lie thin the provide (4) that no error of met tion should be assigned t fail re of nerv muscle ntil II mechanical defect has been exil ded (5) that t least some cases the use of diffi lt ml tarition is a bending 1 the prost t urethra and the patient can be cured b simple operation LOCIS GROSS.

Hagner ad F Her The Post-Operative Compil cations f Prostatectomy Surg G are & Olet.,
q 1, xvn. By Surg Gyans & Obst.

A study of the post-operative complications offers field of instruction t the surgeon for his f ture benefit. The important complication is hemorthage usually of venous origin. It occurs with forty-eight hours and is controlled by pressure with gauze souled with adresabn. The removal of the permeal drainage t be as facilitated by the use of oll and peroxide. If the bleeding a suprapuble catheter is passed through the urethra inter-bladder. The bladder end of the catheter has knot of gause hich serves as plug. It can be easily removed by passing a suture through the bladder end of the catheter and carrying it out through the suprapubic wound.

Thromboeis especially of the pulmonary vessels,

is a infrequent complicatio. Sudden death m.) however he due to this condition. As purcumonia has t be guarded against, great care should be exercised n admi isteri g the anasthetic. The a thoruses nitrous xide and oxygen at present Sepals occurs less frequently in the perincal operation due to better drainage. When acrais does take place good ample drainage and continuous irrigation is of inestimable also The intravenous injection of salt solution and the use of vaccines are also of valor

The kd ey function should be tested before operation if there re any signs of renal discase using Geraghthy a phenoisulphophthalein test P of the not remine must they be looked for in these cases. If present one abould use salt solution sweat g nd other appropriate measures. The progress in cases ith diabetes is proverbially had onti nation of pyurla after operation is d t infected kidneys, long-standing pre-existing cast or t da criticula A thorough digital examination of the internal methra should be made t the end of the operation t determine that no di erticula has been left, as this may necessitat a secondary operation. Post-operative urinary fre-quency is the result of contracted blackler or loss ntrol

The paritoneum should not be torn as it may lead t pent nitis. The rectum should be carefully n t bed as fistulæ follow when it is reptured. Tor the same reaso salk traction sutures to not used The fectso travels along the suture. The fistular are usually mild and readily yield t treatment

A operation gives mor rebel t a patient than properly performed prostatectumy bence th importance of pre-operative nd post-operative care of the patient. Cystoscopec examination should be made to accertal what, if ny complications cost and the best way to operate

Grisenko T tal Prostatectomy in the So-Called Prostatic Hypertrophy (Uber dis totale Prostatek toms bei der sorts. Prostatshypertrophie) Disser Males St Petersh

Petersb 9 . By Zentralbi, L d. ges. Chic. n. I Grenzgeb,

The uthor conducted investigations on the cadaver t determine whether the prostate had a capsule of its own which would mak complete empdeation possible. It was found that the gland possesses only ne layer of fascia, which is smooth the external surface posteriorly only and rough on the other surfaces of the gland. This leading covering can be separated from the gland easily on the posterior surface with the exception of the median part and also on the sides. On the interior surface it can be separated only with difficulty A continuatio of the fascia to the apex and to the base of the gland was not demonstrated and it was impossible t Isolata distinct expanie. The capsule described by other authors must be considered as a part of the privic fascia which invests the entire gland with the exception of the base and spex.

568

Tecultance The a thor offers further evidence that these denomas originat in the pen ethral glands. Although the prostat grow | size it retains its normal contour the enlargement is t the expense of the antero-posterior diameter The glandular tusue of the prostat is divided by the amouth someoner I termus int cent 1 pd rempheral part of next urethral glands. With the nlargement of the periurethral glands the sphunter terms is forced backward. The peripheral some is the true proat the glandula these. The musculature of the prostat and the musculatur of the para prostation urethric are really inseparable being practically one On ecount of this musculature lose relation exists

atandpoint his views are reinforced by the progres-

al e character of the disease by the occurrence f

malignant degeneration and by the possibility if

between the prostat and t surrounding structures As result of his operati sperience and investi rations on the cadaver the thor comes t the conclusion that complet extirpation of the pros tate in the histological sense is impossible. Ithout cauding lesion of the pelvic fascus and Jaculatory chacts. The denomitous enlargements of the prostate are much more ecesuble from the bladder than from the periocum During prortatectomy the entire gland is not enucleated but only its adenomatous part I the living man part of the gland remains intact hich may be con sidered as the surgical espeule and hich prevents the opening of the preprostatic enous plexus and of the pelvi co pective tissue Experience teaches further that in view i the close relationship of the prethral mucoes t adenomatous tierce, part of the former is sacrificed at the prostatectomy. The elaculatory ducts as rule remain i tact during the removal of the denomatous masses. The uthor prefers the transvesical rout t the periocal for the following reasons Technically the operation is easier hemorrhage is less thorough draining from the would is obtained and in infected cases and in old individuals the operation may be performed in two steps. Above all, the excellent results obtained by it favor the suprapuble route. An extensive bibliography and four microphotographs are appended.

Moore Prostatectomy in the Aged, Interd. M. J 93 X4,641 By Sore, Oyner, J. Obst.

The uthor submitted a series of questions t the genito-urinary urgeons in this cou try and abroad with reference to their experience in prostatectomy in the aged. From the answers received he compiles the following:

Twenty surgeons reporting successful perincal prostatectomies gave the highest age of their patients as ranging from sixty three t eighty-nine years. Twelve had operated success! By eighty reporting in all, thirty cases between eighty

and pincty

Eighteen surgeons reported successful suprapolic operations upon patient whose ges ere from sixty-six t minety. Thirteen of these had operated successfully upon men over eighty reporting four ICCD CRICK.

Of the twenty five surgeons he expressed an ordnion, all but are ere in f vor of prostatectomy in the grid where general conditions are satisfactory and local conditions indicat an operation.

The mortality of less than two per cent following prostatectomy in the absence of actions complica-tions, is contrasted ith death rat of over five per cent for cularred prostate treated by eatheterizat lon

The thor reports t rases of periacal prostatectomy in patients minery years of age, in which his result wer prompt and satisfactory Il concludes that catheter treatment of enlarged prostates is convergical and ussaf that progratectomy is the best treatment that it is nearly as saf in the very aged as in younger men, and that it is the consexums of opinion that go is no bar t prostatectomy and the operation abould therefore he performed THOM 9 C. HALLOW Y. whenever practicable

MISCELLANZOUS

Pfloter Urulithiasis and Bilherrisais (Orojukiris cand Belliarriagia). Arch. f Schife- Tropenty: 9 J. XVII, 300

By Zentralbi. L d ges. Clear. u. L Grennych.

Until now the views held in regard to the direct relations between bilhardasis and the frequent occurrence of stone in the urinary passages have been divided one group of men malataining that all stones in the urinary passages are due t bellerrians. and the other group maintaining that the increased amount of mineral matter in the a ter of the Nile during the summar is responsible. The fact remains, however that those investigators who examined large number of stones found bilhards eggs in their centers much more rarely than as expected.

Pfater calls attention t the fact that frequently little nodules are found in the center of stones. These nodules are the result of drying and calcification of the field present in the small cystic bodies found in cystic cystitis of bilbarriasis. Further more, these little nodules found in the so-called

sandy bladder are the result of calcification of lit the ulcers resulting from penetration of these little eggs into the bladder Therefore we must also con sider stones containing such littl nodules as due to bilharziasis. In thirty stones carefully examined along modern lines, Pfister found hilhargis eggs only three times positively in three instances bilharsis eggs were probably present. Other interesting points are discussed, tending t show that in Egypt a bilharzia infectio predisposes t ston formation. RUBERTION.

Freund E. Experiences with Arthiton in Complications of Gonorrhom (Erlahrungen met Arthigon bei den Kompilkationen der Gonorrhoe) Warn.

med W textohr 9 3, brail 550 By Zentrallel f d ges Clubr u. l. Grennegeb.

The 11tho treated 3 cases of actite gonorrhoral epididymitis ath injections of o. g gm. f arthigon and obtained good results in cases. I one case of chronic epididymitis four injections had no effect. Seven cases of acute prostatitis were promptly cured. In five cases i chronic prostatuts and three fanterio gonorrhoral urethritis the injections gave no results. One case of posterror gonorrhoral prethritis and lymphangitis was considerably improved by two injections. Also the cases of gonor rhoral arthritis were influenced favorably. Forty

two cases were treated in all.

Freund conclusions are as follow t Arthleo is a specific remedy i great diagnosti value in doubtful cases It is perfectly harmless. is of great therapeuti val a got gonortheed epididymuis, acut gonorrhoral arthritm, and sometimes in cut generated prostatitis. Especially in epididymitis the vaccine therapy is superio a all other known methods and remedies because it relieves the patient immediat by nd shortens the time of treatment for the entire gonorrhoral affec tion. According t the recommendations of Bruck, Freund treated nly those cases which there was no fever. Numerous, ther authors have reported favorable results with this therapy MAGENA

Kollecher G lether G Mid-Operati Disgrouts in Uro-logic Operations. J Am M Am, 9 3 lm, 74. By Surg Gyser & Obst.

The object of this paper is a emphasize the im portance of mid-operative diagnosts in urological operations after the organ has been exposed, and the f ct that operative procedures must often be adjusted t the conditions discovered.

In most instances of external prethrotomy it is impossible t decide definitely whether t perform a mere splitting operation or t resect until the urethra is exposed.

In Hagner' epididymotomy the location and the extent of the depleting incisions cannot be decided upon until the testicle and its appendages have been fully exposed t view and palpatory examination has been made. The same holds good for tubercu losis involving the epidldymis.

In suprapubic prostatect my the macroscopic differential diagnosis between simple hypertrophy and cancer and between hypertrophy and an ordema of the prostate cannot be made until the bladder is opened.

In cases of extensive tumors of the bladder especially those in which the tumors are near the base of the viscus, and in which extensive resection or com plete extirpation of the bladder is contemplated, these questions can be decided best by exposing the bladder disping it out of its surroundings without opening it and in this way making it accessible for

immediat pairatory examination. In kidney surgery the mid-operative diagnosis is of great help. Unusually free hemorrhage in the approximating incision will call the attention of the operato t the presence of dhesions and the possibility that the causative inflammation has involved the peritoneum and glued it to the kidney The operator should therefore use extreme caution not to break into the serosa. Any ordema discovered surrounding the ureter on its course down to the bladder is as rule of mechanical origin and indicates that the ereter is kinked. The ereter therefore, will have t be exposed and the obstruction removed before its patency can be re-established

Bunanual palpatio of the exposed kidney will in certain cases furnish information which is about tely decisive as to the choice between nephrectomy and nephrotomy. This decision can be made before the kidney is opened. For instance, in coli or streptococci infections of the kidney involving a small rea. especially those located in the neighborhood if the pelvis, the chance of cure by drainage is good. On the contrary if palpation of an enlarged kidney infected by the colon or the streptococcus bacillus

reveals the presence of numerous aderosed spots and umber if softened areas an extensive hard infiltratio of the renal parenchyma, or fluctuating me, the kidney should be removed unopened.

I cases of renal concretions combined pulpation of the exposed kidney will be of great advantage. After splitting open the smal pelvis it will enable th surgeon t explore the calices and locat concretions higher up in the parenchyma and will also facilitate the sounding of the ureters.

In perineal suppurations the mid-operative diagnosis will influence the diagnosis between an infected perioesi harmatoma or superficially in lected focus in the surface of the kidney

In conclusion the author covers some of the most important points in which mid-operative diagnosis will show its value in urological work,

TREO. DEGEDOWITZ.

SURGERY OF THE LYE AND EAR

ETE.

Ohl ma n Serecal J ries t the Eyes and F ce by So-Called W ter-Core and Zadiac Golf Ballis Methylalcohol d Golf Inil (Augus and Gesichtersteraugus schwerer Art durch norepannte W ter Core und Zadiak Golffalle ohn Methylallohol und Golffalle) Kin three ii kunkr 9 3 22, 604

Dy Zeotralbi I d gra Chir n. i Gerangele thor not to ut the fact that the rubber the bove mentioned golf ball is eplaced by a bean fluid or rement like son alkaline reacting mass lock is under high pressure ad the chemical ompositio of back trade secret If a bull of this kind opened u ontent explode lolently not I re the banck I ce not clothing of the b st inders just as ould an corre-st willed. The hours later the chall regre tly swollen, nd redd ned the 3 nct of the lids as well as the bulb is on erred at hits grey man and the corner th the ex eption of t poer part ber mes opaque ad milk. There is marked bemosts add minusbed mon Vert indocrellia with history and necross devices the lo reparter third of the ornes, but is covered ith superniual blobs. The epic leral t wife later becomes pul scarred ail densel opaque I eyes I red b rochs balls the ornes becomes clearer fter the use of bonuse tropune bolocaine and a broat net all perturns of physiologic I salt sol tions. Thus not the ase ses are Lb the teru re ball. I the latter the opacities of the corne to permanent. Bec use the extremely dangerous methylish hol has so often been son guiled i under another nam in spit of the la the thor assumes justly that the balls mentions I had are produced in \mera may be troduced int Ger many II there! warms gainst the use of them In h u

Stephenson S. Some Rems is upon the Diag nods and T estment of Lacrimal Affections. CI J 9 3 Mm, 5 By Sung G wer & Other Stephenson say that wildo not now it once samme that waters ry is the result of an organic stricture as was at no time the case I surgeon eliminates such causes I epophora as displaced or occluded punctum or chronic nasal tarris If no obvious cause is found, fluorescens is dropped int the conjunctival sact sceni at all pass lat the nose Treatment of the co junctival sac nd nose should be carried on for several weeks, and if this falls, lacrimal syringe may be used. E en if fluid does not pass through t the first few trule it is probable that this plan will succeed I the endition his not been treated by probi &

Stephenson w ras of the danger of using any nol or protanged under pressure. If the syringe is of no vail, use may then be made of the probe or the sac may be extliputed, or Totl operation may be performed. A discussion of these measures follows:

Stephenson S Clinical Lecture on the Treat ment of Glauceum, with Particular Reference t the Newer Operations. Med. Pren b Cor-9 5, writ 5t. By Sorg Oyner & One.

Stephenson takes up the treatment of gincoma under three hes lungs () fars said (b) sergical sid () pullative t extenset. Under first add he discusses subsonquentival injection of sodman-dirate, posterior sciences and some injections and discolar unifical treatment be discosed injections and for surfical treatment be discosed injections and the service of the service of the service of the Helman Ferrana Phetermico a, the Thread, life best nell fields operations in detail. Il does not thus, that pulliarity treatment abould be loop continued.

Frenk I II Capillary A gloma of the Retine.

J. Ophik Onl. or Lary pri 19 3 are 103.

By Surg. Gyace & Obst.

Frenkel report a case of his on f capillary anguous of the ctims, and reviews the similar cases which have been robbished

I remeating his own case he act. The question is that of the origin of capillary important of it reflat characterised by the occurrence locations move or less distant from the pupill of little most, be ght thus metatice in the place, here the retural capillaries are presumed to be. These little about

capillaries are presumed t be. These little spots re at tell bett een afferent of an effected reach, Gradually they increase in size and it be saint time the easil but een what they occur be some norre practice. Then we can percent that the total decleration of the articles and refer with the properties of the articles and refer with a me district torpresent, tortuous. At this stage case more that two vessels builting proof it same body even to bodies ma communicate by it termediary district essels.

This flection begins very insoliously provoiding thru subjective troubles—emanation of smot before the eyes, mirt, musics voltantes and, family at the aid of several months or may be year. los ering of visual scully. Object secondard have been noted at the periphery of the usual field, it is troe with some difficulty. In one case they developed simultaneously in betw. eyes.

As anteredents, we find sister blind in both goes t the ge of 5 and 3 years. The patient

affection began after his military service, at the age

of about 3 or 24 years

The ophthalmoscopic ppearance t this stage of the disease is very characteristic and is similar to figures of analogou cases published in orbibalmic C. G. Danting Literature

Verhoeff F II Parinaud Conl nethitia: A Mycotic Disease Due to a Hithert Undescribed Fliamentous Organism Arch Oshik. B berg Gynes & Obst. 0 L zlń. 345.

The findings reported in this riskle a Il elven in the conclusion. In eleven out of twel co secutive cases, each ha ng the chinical features described by l'annaud and each presenting essenthally the rum cha et rists, histological piet re found. a minute blamentous IDR tu-urg 1400 The absence of any other demonst ble muro organisms in the lesions, the und the ter of the micro-organisms found their great abunda e and the fact that they ere so sit ted as t vola the lessons, le one ressonable doubt that they wer the came of the disease. They occurr n areas of cell net ones per sound put ted out b m contirms the diagnostic important of their areas

The clinical tradings in II the uses occusted it th smaller cosiuncti al gra ulitico but areas on their sur! on nel the enlargement of the presuments homphatic gland Histologic cally in Il I these uses for I areas untiltr t l na endothelul phagos) tes m THUS KIETES I

necrosis were found. These celldianet arrangement. There were twl mpbood oil plasm cells and almost no pos ells. Ih organism as made table by staining h modified Gram stain high is d acribed in the artial Lague B lowing

Hirsch C. Sympathetic Nestasmus in Leadoina (Sympathischer & stagmus be Frespel) Deutsche med H kender . 3 Or. By & traffil I d gra Chur 1 041

Spontaneom yat ginus mostly horizo tally rota tory with eyes directed laterally or p and do is a almost onstall sympt motified and rangal enyapelas. The est bular pouratus tself is not injured This phenomenon may be I great in portane in the differential diagnosis

Vall Gerebral Localization from the Standpoint of the Oculist Lend-Cline 9 3 cz, 60

By born Cyte & Olist. Minety per cent of braze cases present definit exsymptoms, and these are of val in localization ben studied in connection with other symptoms Of the symptoms most iten f pd, those considered

() Conjugat paralysis and conjugat spasm of the muscles

(i) Pseudo-nystagmus and ystagmus. () Strabismus and disjunctive movements of the

eyes (d) The pupils (a) The fields of vision, ocular and mind blind

oca.

(f) Optic neuritis.
The author takes up each group and discusses its significance with special emphasis on brain tumor CARLE B FOWLER. localization.

KAR

A Contribution t the Patho-G filemin M general and Treatment f Pharyngen! Collec tions of Otitic Origin (Contribution & a pathogenie traitement des collections pharyngiennes d'oriet traitement des traites de Nancy 0 3 July gue otique) This de Nancy 0 3 July By Journal de Chirargie

Retro- and lateropharyngeal abscesses following otitus are quite care They are generally considered very serious 1 o cases collected by Collinet in

Sos there were 8 deaths. Guillems reports t very interesting cases of etro pharyngral abscess of otitic origin that were cured and he attempts to show that contrary t current opinio this termination to otic suppuration

n (verable

Wenter

The most interesting chapter of his work is that which deals with the putborenesis. Guillemi does not pak of deno-phlegmons. H studies alv the becesses jointe rigi that are accessible t new nd exploration

Ourse infects: may spread to the retro-pharyngeal cellular though by three routes By way of the bones. The pos gains the sub-labyrinthin group I the musicid ells and thus arrives t the extreme point of the temporal bone. It then reaches eliber the lienor lacerated firamen. the interior of the lateral poneurous f the pharyn theant labyrathing group hich extends along the Engla his t be the pos may f flow the groove in the mantle of the brain and reach the peritubal and permharynreal cellular timpe.

By th endocranial route. The pus collected secondardy upon one of the two endocranial sides f the temporal bone may soread from behind t wards the anterior lacerated f ramen, the occipital passage or the terror condylar passage this being the common rout in sinuso-dimetric mastolditis with suboccupital subpetrous and pharyogeal tracts.

3 By the tocranual route. The pus after anontaneous trepanation of the cavity or of the ntrum, gains the base of the skull here it follows the stylo-pharyngeal aponeuroals and thus reaches

the lateral side of the pharynx.

On the basis of his theory that latero-phary need bacers in the course of otic supportation is fa vorable ymptom leading t rapid cure, Guillemin asks if it ould not be permissible in cases of prolonged uppuratio of the base of the brain to favor drainage of the suboccipital pus toward the pharyny. This may be accomplished by opening for it care fully route following the condyla canal inter mediat t the external sid of the occipital condyl. L SERVICE

SURGERY OF THL NOSE THROAT AND MOUTH

Kyle The Nami Septum and Its R Littonship t the Syndrom of Sphenopulati Gangilon Nauroda. Intert. M. J. 93 22, 55 By borg. Gynec & Chat.

With Irritation of the compilered across mechanize of the attle of the nose the impressions are easily carried by way of the trifacial nerve to the nuclei of the facial and rague nerves I be medulia. The result of irritation of the motor semsory and sympathetic never fibers in a reaching, and nutritive or cardiovascular changes are 1 be espected. Some of the symptoms are consistents, me tal spathy feeling of fullness in the time of the case, not sain manifestations has conceiling the means, and sain manifestations has conceiling the means, and sain manifestations have the conceiling the control of the conceiling the control of the conceiling the control of t

S himocous resection of a deflected septum is the first operative procedure, t he followed by operative treatment of the middle t rhinated body or sinuses

only if necessary

The a thor also describes the sensory nerve supply of the noise and drocates local aristhesia by the lefetton of per cent cocume solution along the course of these nerves.

EARLY B FOWLES.

Klostedt 8 rgery of the Nami Slauses (Die Chirurce der Nebrubbikien der Nam). Ergebe d'Che Orling 9 1, 1, 18 D'Zentrübl f d ges Chr. Grengeh.

The monorraph considers the literature of the last three years reference to the progress made in the nuthology and therapy i the diseases of the name slowers. Onodes invest gated the variations of the frontal sinus of 200 shuths I 5 per cent per cent he found a bilateral absent lateral absence of this mine. After abort discussion of foreign bodies and injuries of the st uses be goes int detail in regard to the antra Lisologically afectious diseases at important the rhinogenous genesis, however is the most frequent rhinitis is the most frequent source of infection. Diseases of the teeth also enter into consideration in maxillary sinus infections. Pathologically acut and chronic inflammations of the autra do not differ from other mucous membrane laffammations. For the diagnosis exploratory unigations are of extreme importance and re discussed detail. Explora tory puncture of the autrum from the alveolar procem abould be performed only deutal empyemen. In the other cases punctures should be made from the middle nasal cavity being more easily performed in this way than from the inferior cavity Irrigation of the irontal sions is relatively easy by means of Killian long speculum with hich the middle tur

binate can be lifted. All force is to be valided account of the danger of lipring the landing orderors. Transfil mination is pointable only to assist the scale of the scale o

I regard t the treatment of inflammations of the tra the author emphasizes that radical extraoral operations should be performed only after unsucresful corely conservative means and the lesser colonasal proced rea. By these measures patients with antrum infections can almost certainly be cared, and the majority of those with frontal and soberoldal sams i fections as well. In combinations of the two and a ethnoidal sinus supperations the prognosis most be guarded. Excellent results are obtained with the radical operation of Cald ell Lac in extrem supportations. According to Bönnigham almost on per cent of cures are obtained. radomial radical operation on the ethnoidal cells frequently on not be performed in one senion. Many times cure is obtained only after several ttempts. The extrangal operation is t be per formed if the endonasal operation results in so improvement and in the presence of cerebral complications. The same police t the radical operation on the sphenoidal sinus. The radical operation on the frontal as as is best performed according to Kalles method According t Basnighaus sata tlatus (cases) cure is obtained in oper cent of the operation. The mortality is a per cent. All since operations may be performed. Index local saesthesia according to the method of Braumch, although general angesthesis is frequently necessary I conclusion the author discusses other rare speelfic falections and other diseases of the sincates of importance in the differential diagnosis, such as esteromythus, cysts of the superior maxille, eraco-KARLER celes, and blustomas.

Mitheeffer Alcohol I jections into the Superior Laryngian Nerve in Tuberculous Laryngists. Ohn St. H. J. 9 5, br. J. 5 By Sorg., Gyac. & Obst.

Alcohol injections are valuable adjunct i the pallistive treatment of tuberculosis of the hryst, executally that form of the disease in which great involvement f the superior orifice of the larynx enists—the ryteno-rylgiotic type. The presence of a painful spot located at a point where th internal branch of the superior laryngeal nerve pierces the thyrohyoid membrane is a positive

indication.

The technique is simple. The needle (one not too sharp) is inserted 135 cm over the painful spot. The direction of the needle is then turned upward and outward toward the ear and fifteen to thirty.

drops of 80 per cent alcohol (warm) are injected

CARLE B FOWLER.

Madand Antral Empyems with the Presentation of an Efficient Conservative Operation for its Curs. N Y H J 9 3 zevis, 90 By Song Grace. & Otac.

I treatment of inflammation of the antrum free formation of pag, it is necessary t exability good drawage and t afford an easy means of irright learned to the control of the bose using a res ghit be made wall at the floor. I the bose using a res ghit learned to the control of the bose using a res ghit learned to the control of the bose using a rest ghit learned to the control of the same to the control of the control of the patient inserting the end of an all-rubber car swrings into the mouth of the charmle. Learne B Four the fourth of the charmle. Learne B Fourth of the charmles are the control of the charmles of

Murphy Use of Paint Mucous Membran Flaps in Ankylosis of th Jaw Du t Cleatricial Formations in the Check. J & M Ar 9 km, 144. By Surg Gyner & Obst.

The a ther reports two cases in which this original method was successfully used. The flaps were f mucous ad pedicled and obtained from the palate or floor of the mouth. On examination the first case showed complete immobility and no pain of tender ness pressure over the joint. The atgenogram showed that there was no bon. nkylosis Through an external neison the ja bones and ruculatio were exposed and abrous extra releular ankylosis was demonstrated. What remained I the alveolar processes were removed and when the trachment of the temporal muscle was divided the jaw dropped A tongue-shaped pedicled flap was disserted from the palat the base of the flap being town d the back of the mouth the inner limb if the incusion being about quarter of an usch aborter than the uter When this was reflected outward; cover the hone of the upper jaw which anden ded by the chineling, there was no contraction which might interfere with the drenlation of the flap. The adea or satured with very fine catgot t the margins f the gums and the tip was anchored t the cheek small pledget of antreeptic gauze was placed between the jawa. The

mucous membrane of the check was carefully approximated with fine catgot and the skin incition closed with borschaft. The wound was dusted with binnth sub-loddl powder and plain settle gause applied. A wedge of folded gause was placed beteren the treat, which was within a week replaced by a wooden wedge, with which the patient agent the laws. Four weeks after the operation also was able to open her mouth about an inchwited that the could open her mouth about an inchwated that the could open her mouth about an inchwate that the could open her mouth about an inchwate that the could open her mouth about an inchwate that the could open her mouth about an inch-

In the second case the ciratricial tissue was care fully divided and two tongue-shaped flaps i terposed, one obtained from the floor of the mouth and the other from the palate. Both flaps were about two and or half loches is length and from one half the length shaped with the lack in width. The result of the operation was entirely astifactory. The patient left the bosyltal in five weeks and was able to open has mouth unassisted about an loch. H. A. Porra.

Shillerin, P. G., Jr. Infiltration of th. Ling al. Nerva for Operations upon the Tongoe and for the R lief of Fain. In Inoperable Carrinoma. Surj. Gyant. & Okst., p. 3, xv4, 14.
By Surj. Gynet. & Okst.

Confronted with an ulcer of questionable malia nancy in the anterior two thirds of the tengue, in which excision was indicated, it occurred to the a thor to induce mesthesis by infiltratio of the lingual nerve instead of by the more painful intra Hogist injections. The nery was reached one half fach below ad behind the third molar tooth, where it crosses line projected bet een that tooth and the angle of the mandible Submacous injection of 4 ec | per cent novocain and adrenalin, 3000, ind ced anesthesis in the anterior two thirds of the tongue within five minutes. Neither the curisio of the older nor the Paquello ca tery were felt. A second patient had inoperable carcinotta with chronic pain. I jection t the same site of r cc. of per cent novocain and drenalin, 3000 in 4 cc. of y per cent alcohol induced analyssis in ten min tex. The following night the patient elept more soundly than he had slept for two months. In bilateral injections the tongue loses its power of determining temperature, so the patient should be warned to test the temperature of his food with his lips. Inhitration of the mandibula perve is war ranted only where growth or the beorption of the alveolar process after the shedding of the third molar tooth, has destroyed the landmarks of the lingual nerve.

SURGERY OF THE NOSE THROAT AND MOUTH

Kyl: The Nami Septum and Its Relationship t the Syndrome of Spheropalatine Ganglion Neurosia. Island H J o t x. 61

Meurosis. Intert. H J g y x, 6 y x, 6 West. With irritation of the complicated nervous mechanism of the still of the none the impressions are easily carried by way of the trifacial nerve i the model of the facial and wagen mere in the medula. The result of irritation of the motor tensory and appractically entered thanges are it be expected. Some of the symptoms are contriction, mental pathy a fedling of fullment in the struct of the none conceives muses, and stim mentioners that the structure of the motor than the structure of the motor of the structure of the structure of the motor of the structure of the stru

Submucous resection of deflected septum is the first operative procedure, to be followed by operative treatment of the middle turbinated body or sinuses

only if necessary

The author also describes the sensory nerve supply of the nose and dworter local mentheds by the injection of per cent comine solution along the course of these serves. Eura B. F. winz

Kleetadt Surgery of the Nasal Sinuses (De Chirungis der 'vebenholden der Nasa) - Ergele. d Chr st. Orling., 70, 5, 5, 58 By Zentralle f d gas Chir - Oreanpib

The monograph considers the literature of the last three years in reference t the progress made in the pathology and therapy of the discuses of the nasal sinuses. Onodis investigated the votations of the frontal sizes of 200 sk lbs I t per cent he found bilateral absence in 1 per cent lateral absence of this situs. After a short discussion of foreign bodies and infuries of the slowers he goes into detail in regard t the antra. Etsologically infections discuses are important the risnorenous genesis, however is the most frequent rhimtis is the most frequent source of infection. Diseases of the teeth also enter into consideration in maxillary sinus infections. Pathologically scate and chemic inflammations of the antra do not differ from other mucous membrane inflammations. For the diagnosis exploratory irrigations are of extreme importance and are discussed in detail. Explore tory puncture of the aptrum from the alveolar process should be performed only ! drutal empyemas. In the other cases punctures should be made from the middle massi cavity being more easily performed in this way than from the inferior cavity Irregation of the frontal stone is relatively easy by means of Killian's long speculum with which the middle tur

binate can be lifted. All force is to be voided as account of the danger of injuries the legion colross. Transillumination is applicable only to the antrum. Radiography has been extendively enoloved, especially in doubtful cases in children and in the unconscious. Clinically the inflammation of the antra have been divided into simple and our plicated. Facial, oculo-orbital, and intracruals conplications have been studied thoroughly is the latlew years. Van der Hoeve symptom, enlagment of the blind spot of the eye, is of importance in diseases of the posterior ethnodial cells and of the subenoidal sinus. This symptom, however is me constant according t Mark breiter's favortisation. In regard to the treatment of inflammation of the antra the other emphasizes that radical extrased operations should be performed only after preserveful purely conservative means and the lesser cadepasal procedures. By these measures patients with entrem infections can almost certainly be cared, and the majority of those with frontal and sphraoidal sinus intections as well. In combination of the two od i ethnoidal ainus suppurations th prognosis must be guarded. Exerilent results obtained with the radical operation of Caldwe in antrum appropriations. According to Bor. almost on per cent of ceres are obtain endonual radical operation on the eth frequently cannot be performed i Many times cure is obtained o The extransual opera ttempts formed if the endonesal operati provement and in the present cations. The same applies on the subranidal simus. the frontal mans is been Kilhan method Acr testica (CARCS) of the operation. ainus operations anthonia acrord though genera In conclusio cafic infecti of Import ost coms

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IMPORTANT ANNOUNCEMENT A NEW DEPARTMENT—RADIOLOGY

Probably in no other held during the past ten years has needled science shown greater advances, both in improvement of technique and in breadth of scope of application than it has in the various departments of raddology electrical problems for distriction and application of new electrical arouleures for distriction and the invention and application of new electrical arouleures for distriction and in the invention and application of new electrical arouleures for distriction and in the invention and application of new electrical arouleures for distriction and in the invention and application of new electrical around a second and a second a second and a second and a second a second a second a second and a second a sec

Realizing that this science has become an indepensable factor to every surgeon both as an aid to diagnosis and in treatment, and recognizing the visit amount of important literature which is now appearing on the subject, the IMTERNATIONAL ABSTRACT OF SURGERY has established a new department to be devoted to this specialty under the direction of a compile editorial staff.

In the future all abstracts which deal with electrology in a general sense will be found in a section devoted to this screece, while those which have a regional application will be classified according to our established annumical arrangement.

In this number will be found abstracts of many of the important papers read at the meeting of the American Rootgen Ray Society held in Boston in October Other abstracts will appear in succeeding Issues.

INTERNATIONAL ABSTRACT OF SURGERY

DECEMBER 1913

ABSTRACTS OF CURRENT LITERATURE

GENERAL SURGERY

SURGICAL TECHNIQUE

SEPTIC AND ANTISEPTIC SURGERY

Kuziowki, B. Alcohol Operating Gloves (Alk dol operationshandschube) Zoutschi f Uk. 3 zi 38 By Zeutralbi f d gra Chir. (reasgeb

In vice of the fact that globol barriers the skin and finites cutaneous germs, the thort uses his operations terrile thread gloves noticed in alcohol and put on most ver the diametered hand. He has been noted any injury to the skin of the basels consider many hours of contact in the alcohol no any injury the tissue the operature field. The gloves are frequently moistened gain the skeohol during the operation replaced b fresh ones socked in kobol. (

AR ESTRETICS

Buxton, W A Doelm tric M thod of Admi ister ing Chloroform. T Internal Cong. Und Lond 9 Ling By Surg. G nex & Olist

The principles invived I this method re as follow

1 Chloroform acts upon the tissues in proportion t the trength of it wapor in mixtu es ith air or liquids.

r The ction of chloroform is progressed to the narconsis becoming deeper hen the bloroform is given over long period in constatt dil tion 3. Different body thances are affect d in similar

y though in different degrees. Percentages of stato below, per cent do not produc anesthesia but interfere in the temperat re and metabolism ligher percentages induce membessa lower blood pressure and interfere with respiration.

4. Chloroform is ultimat protoplasm polson 5. Chloroform react decidedly more vigorousl spop pathological tissues and in boormal conditions such as asphyria narmia, fits or degenerative changes in those cells, et 6 I definite percentage I vapor wIII produce arsibella but greater amount produce deeper acrossis which interfers with vital f ctions. The mount ! bloroform necessary t maintain steady level [anorthesia varies inversely with the learns of time it is inhabel.

7 The amount of vapor required to induce and mountain mustberia is less for individuals of im-

paired vitably and f hildren

The extent to which biloroform passes from the ir int the blood stream is impossible to ga ge the anesabest in the base cells causes a leasening of ultimately creasto of blo-chemical faction thus interference beig directly proportional to the percentage strength of the bloroform I troduced.

When has about that been the bloroform I troduced.

percentage irrength of the bloroform I troduced.

Wher has also that here tissue first becomes paralyzed then loses its conductivity a uniform result following, known percentage strength of port. The degree of hemolysis is difficult to extens the case the influence extend by many crown name hence is unknown. Chloroform causes fall of blood pressure heart weakness mostly dependently dilatation and lessening for the proceeding the processible deep next yet dilatation and lessening for the processible deep next yet dilatation and lessening for the processible of the processible deep next yet dilatation and lessening for the processible of the processible of the processible deep next yet dilatation and lessening for the processible of the processib

vasomotor control These effects ca be co trolled

by leaseing the mount of chloroform given periperry with h length of time that it is dimin
berted providing coursoing conditions remain it
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and normal blood provide the condition of the condition
and condition of the condition of the condition of the condition
and condition of the condition of t

blood is viti ted by disease nd especially by
novemia
It is agreed that double the numberic dose con
tit tes the lethal dose
Chloroform affects tissues

i the follo ing order () heart muscle (3) striped

voluntary muscle and (4) involuntary muscle fibre.

Upon this fact angesthesis depends otherwise the production of unconsciousness would be impossible. The most highly differentiated porti of the brein is first thrown out of function then the lower ranglia are affected while blood pressure falls and remiratory functions become more hmited. The myocardium is affected rapidly and early and soon loses its power of contracting. The normal reflex mechanism is so affected that abnormally severs inhibitions are elicited and metabolism may be profoundly influenced. From the f regoing the anthor believes that the effects I chloroform are due to the citial varior strength rather than to the actual amount if drug used, not considering if course the result from toxic quantities. There fore, the dominetric system is advocated as means of limiting the strength of the admixture used not only in inducing angesthesis but in maintaining it as the theres become more and more under the last ence of the drug in order to be sure that its effect is merely angesthetic in character and not toxernic.

In the induction of anasthesis, it has been found that the organism will tolerate high percentage vapor if the strength is reached gradually while its sudden use results is collapse and even death

For normal person it has been found that trough of about per cent will follow anaetheria, that less III cause sleep only and that more will embarrase the respiration and directation. In spite of these facts, the average administration or periments upon his patients, and his remits depend upon his personal acument as an experimentary on Fillium is often certain because of his leadility to estimate subtle times changes and to unlicipate the central personal acument are all these highly to estimate subtle times changes and to unlicipate in the consideration bear corrections of chievedral of the consideration bear corrections of chievedral of most considerations bear corrections of chievedral or most consideration bear corrected or chievedral or most consideration bearing the administration.

There are three dommetric methods () an open method () the administration of mixtures (s) the administration by instruments which present t mospheres of known strength or by inhalers which determine an admixture of chlororoform and air the trength of which is known and can be varied by the operator with great accuracy. The open method is comparatively accurate but only in the hands of those with the utmost skill and experience and when disturbing factors such as variations in depth and frequency of respiration, room tempera ture, and air currents can be eliminated. With mixtures, the same bjections hold true, and, in addition it is impossible t obtain any accurat percentage value for the chloroform which is given off because of the difference in the boiling point of the ingredients.

Many mechanical inhalers are on the market— Bett's, Snow's, Clover's and th Roth Drager apparatus—but all of these allow the per cent strength 1 be exceeded. The regulation of Dubols, Waller and Alecch are exact bet fully. The a the has used chiefly the 1-veron-Harcourt regulate and his experience has been that per cent need not be exceeded. I very miscular and obes sebjects repold factorion with airrors order and ether preceded by gr. / oo of stroylen has been serviceable. The state of the original form of the miscular than the state of the original form of the miscular than the state of the original form of the miscular than the state of the original form of

weeping when large areas are incised or denoted, when deep narroods is necessary dearners, inhaber enables it assembletia to better control thapter enables it assembletia to better control the higher percentages when be is working in the dearger none. Cyanosis is due not to the inhaber but in preventable complications which may area with any method of gring chieroform. Yeast and most tubes are supplied with the common inhaber and the vapor may be inspired by Critic method or can be provided by a foot bellow.

After dosimetric administration the patient has normal color and there are few after-affects. After the old method, on the other hand, the patient is pals and drawn be romits and is in greater or less

degree of collapse
To controlling principle of this method, which
the other considers the only as means of
administrating the drug, is to gradually leads as
the pertentings of chindrons vapor and, as soon a
markshress is enthalized, to lower it to the point
where the intake containes the corporations, the
posterity breathing, and exception—per contaboutd not be excepted, and even struggling does
not call for a extriction of the apoly!

Descarpentries, M. General Anasatheda by Intrammucalar Injections of Ether; New Ansesthessa Apparatus, Particularly for Ansesthessa Apparatus, Particularly for itself from the Latter (Anasthes priority per its byttom intramsulares digher: Un nevel separed a nesothess, en particular it (behavior, but are in principles of en décodent). I leierant Cong Mal Lond, 19, 3, Aug. (Copper, Most.

F. K. ARMSTRONG

General sacesthesis may be induced without diager by intramuscular injections of ether if it is given in successive small doese (about 5 cc) and injected slowly into large music masses or thick apontaroses t limit the vaportization and keep the vapor under termine.

The best place is the glutest muscles. The extire doesn't write, according it the weight of the patient, about cubic centificter to Mogram of weight. There is think danger of pruncy to much. The straight is kee but is very quacity over. After the numbers, the patient recomplisms of feeling of initial patient considerable of the patient recomplisms of the initial patient to the patient of the patient of the patient in most better the target of the target of the target of the target of the patient is market under the patient in market true. This makes grew while the patient is market under the patient in the patient of the patient of the patient in the patient of the patient

the narcosis more profound and permits of the use

of a smaller qua tity of ether

The method is simple it greatly facilitates opera tions about the face and neck, and depenses with the necessity of having an anasthetist. It enables a surreon to operate alone in emergency cases under general angesthesia. It differs from ordinary ether ization in that by it the ether por enters the blood hhout ny admixture f carbo dioxide and is warm (4 33") when it enters the alveoli f the

The anasthesia apparatus described is constructed t carry out these t principles. It go ex rapid calm, ad regul narross a thout pul monary complications and contra indications. It

combats anasthetic shock in that it does not lower the patient temperature. During the first ten minutes it raises the rectal temper ture from two

to five tenths of a degree

The apparatus permits of obtaining the anxithetic mixture that is most is rable t cure Some patients abbor the odor fether in such ases ce of ethal angsthesia can be begun with chloride. The pparatus does th the exhala tion of ether vapor in the operating and the risk of explosion. The thor believes that a surgeon who works daily in either po becomes gradually inthrust and interpretated with either

Gu thmey J T Oil Ether an Attempt to Abolish Inhalation Assestbatics. T Internet Oil Ether an Attempt to Cont Med Lond 9 3 lvs By Same Gyene & Otaci

Experiments on nimals, under the direct super vision f Prof George Wallace of the Pharma cological Department of Bellevue Medical College ere conducted for the purpose f studying the anesthetic value of other when introduced in solu tion into the rectum A 4 per cent sol tion of other in normal saline solutio was used first bout 500 cc being injected int the alon. I ed t reduce the bulk, Gwathmey a greated employing oil instead of saline solution. Experiments neigr the supervision of Prof Charles Baskerville Director of the Department f Chemistry f the College of the City of New Y rk, were then made t deter mine the elative rapidity with which the ether escaped from the off in which it was dustol ed, the solutions compared being of the same strength and subject to the same temperat re Cod liver oil, olive oil, neats-foot oil carron oil, parailin (Russian mineral oil) milk, and cream were used found that carron oil parted with the other in nearly one fourth of the time that was required by the ther substances

Ten successful experiments were carried out pon dogs, with complet angestheses and no alarming symptoms. The ether as given in solution in cotton-seed oil from \$5 t 75 per cent th amount of ether injected being from 50 t 75 cc. The shortest time required fo the establishment f surgical anesthesia was five minutes the longest time fifty minutes. The duration f the anaesthesis after the other injection was stopped averaged about one bour Is no case was there evidence of more than a mild irritation of the rectum following the other injection, and such irritation passed off within twenty-four bours.

In the choical experiments the oil-ether solutions, varying from 4 to 75 per cent, were employed. It was found that solutions f 75 per cent proved most satisf ctory in both animal and human subjects. The most gratifying results were obtained from the me of soo to 300 cc. f a mixture of 6 oz. f ether nd as of oil. Amesthesis thus induced was ideal. Pulse and respiration were normal there were no mucous râles, and no after-effects such as nausea or

durthan. One of the underlying thoughts in developing oil ether anxisthesia was to prevent certain dangers that attend intravenous anasthesia. The fact that the only apparatus coded is a small catheter and a found int which to pout the mixture is a strong argument in favor I this method. To practitioner compelled to work alon it should be of inestimable benefit. On account of the gradual and ranid evaporation from the lungs it would appear to be at least a comparatively sal method of inducing anesthesia Murus and salivs are absent and the patient's lungs and stomach are spared.

The preparation of the patient is the same as for ether vapor annestheria per rectum. A cathartic of castor oil is given the night preceding the operation and is followed in the morning by soap saids enemata one bour spart, or until the return comes back clear The patient is then allowed t rest for thirty to skry minutes, when suppository containing the f Bo ing substances is inserted. For adults 3/2 gr powdered opinm and 3 gr chlorotome for children 34 gr powdered opium and 5 gr chlorotone. One hos after the invertion of this suppository the oil ether is introduced. It is injected slowly in or der to avoid irritation or other untoward effects.

The anthor gives the histories of two perfect cases illustrative of the polication of the method to the buman subject. In each the anaesthesia lasted forty five tala tra.

Both clinical and laboratory experimentation with the method is being continued, and reports will be published later

flaud E. Prolonged General Annathesia with Ethyl Chlorida (Lamethesia generals pro-Callland E. longto as chlorure dethyle). T Internet C Med., Lond 9 3 Aug. By Surg Gyner, & Obst.

Ethyl chlorid is very much superior t chloroform or ether for producing general ansesthesia because it is less torde.

However ethyl chloride amesthesis can be pro-

duced only by f llowing certain rules that are given by the thor and by using an apparatus that permits mixing t will definite dosage of ethyl chloride Ith another anesthetic and an abundant suppl of all or oxygen. For a ml te or two t the beginning of the nestbesia few drops of chlorof rm should be given with the ethyl chloride Mer that the ethyl bloride should be continued above thor nort five handred and introduct eve of nevided given with thi apparatus fou hindred ad fifty three of high ere prolonged nexthesias for various major operations ist ma h liver litzin, gynerological, etc.) Not ele accelent occurred. Anesthesia takes place

rapelly - one or t mi utes. The result re Hent because the organism is submitted t mi m m of int stration

Schlimpert Sacral Assesthesia (Salzalmashese) Draf be trivil & f to at Halle 9 1 M B Are ralled f d ges Grank Gebart h. el Grenngeb.

The result from low ana-sthesia I 1 1044 er perfect 544 per ent la per ent halation narrows resorted to on count of the long duration of the operations. I ent ertain more tof ther or bloroform bad t he sed from the best ing I a tert ent the

mentheria brotut l'argutis I to cases of high navyheus the result were perf t 1 46 (per est 1 ther or chloroform had t be a en on a ount i prolunged operation

per eat I so per ent the mesthesia 1 be incomplet mim to per ent negation only I t riving maphestion blanching of the far high lasted to or three hours and as woulat d ith it reaso in the blood recourse The hiel ad ant er the been of lat on

phontion especially heads hes.
The indication for the different forms of men thesa re follow The low form of werel arnthmus should be used for loss operations hioroform and either for high operations of short bration, ompheated appendicectomes lumber and otherla for high operation is women it's weak heart and for ery f t orden and high sacrad nextbodia for II other cases

T ffler T New Methods in Spinst Analiteats T Internal Long Med Lond nod 3 Nex By Serry Gymer & Obst

Extrad ral aniesthesia, which as given up for time has been resumed. I jection is made t the sacro-coccy geal orifice the accedie being introduced parall 1 fth the vis of the casal, which generally makes an angle of 45 with the surface of the body Storaine and later novocaine have been used Schlimpert gives, along a th the latter veronel eropolamine narcophine scopolamine-pa topos, or scopolamine morphine t produce mnessa. The annubesia last three quarters of an hou lith the low injection, nel from half t three quarters of bour with the high I jection. The accident occu ring as result of its we are not gra c. The tech nique is long and complicated and the results uncer

Intradural i jections are either interfor b-

medullary or superior (Jounesco) bet een the first and second dorsal, and though securingly danger ous, ha given satisfactory statistics. At first cocain a used, then storaine then tronscocaine and finally novocalor. The latter is now used b most overstors who practice minel anesthesia All f these anarethetics re today used f combition th various substances.

lunners upes strych line with stoyable t the accordent thributed to the latter. The mortalit varies different set of statistics. The causes of death are often naknos. Spinal mesthesis is death are often naknos. nels t d i ery emotional subjects, is philities, those sufferi g from medallary affection and to operations hick extend beyond

the numbers of Le Filtlatz General Angléerie by Corsine

Annual bests of the Lumbo-Sacral Routes (task rea rietal per rachacceristation) I latre Leer Mind Lond

١= B Surg Grant & O're

Le Idluttre of l'n 1 years ago speccold in oldsaming onstant analyses not only of the trunk and the upper timbs but also of the lead ad neck by going the injection al 1 the level of the first sacral on bra it b vine first eracuated suther t mount of the cephalorhachidles find II unject no of said tops of consince stembard t so (triskly propaged and order the alle of the pat he jet milligrams facty chance is enturiant of part pe At the end of from tea t after my ten total anarahems of the bead and the neck of timed

The 1 ion of the anasthesa varies from hal hou t hour for the head ind the neck and from half hour three boors for the subamblica resion

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,∞, th hor has produced two hundred and tort carb nalgests of the subumbibes region t eight f high ere for surgery of the next and back

I thirteen can be h produced (thousand eight hundred and thirt seven subsemblical or operumbils t nalgova may of high ere on the same subject ind he has never noted the kast iden either immerbat or lar

Lumbur puncture made 1 the end of 1 entr-four bours sho that the ephalorhachidian Equid b normal

Bru ner F Paralysi of he Phresic Nen after Mexes Anere heels /ar Fram der Phrencuslabewat much Pleasuranthers Lours M f Chr # 5 al sea By Leateralth I d go, Char a. L Greaters

The thorreport t ages 1th a picture similar ha evently been d in pictus ancethola. but ithout preceding pieres anesthesia. Is

both we goater operation as performed.

The first we was that of car-old man home appeads and left lobe of the thyroid ere resected simultaneously neigr chloroform agreemin. Several hours after the operation the patient complained of severe dyspinosa as if there were spassed of displaragm. The pulse was 5. There was polypinosa and pain in the bidominal wound. When the dressings were changed no hemorrhage was found in the wound of the neck. In the morning normal

breathing was resumed again.

The second case was bilateral resertion performed for Basedow's disease, with bilateral angethesia ccording to Brann. Four hours after the operation the parlent completned of difficulty in breathing and pain in the left chest. Two mehts later there was orthopaces, jerky cog wheel vpiration, and pain below the left shoulder blade. On the fourth day the \-ray showed a high-standing disphragm the right side (cm. higher) and free motion on both sides. On the sixth day the respiratory difficulty

and pain had disappeared.

The author is of the opinion that an injury strata tion of the pleura was present, caused possibly by a bemorrhage extending along the pleura. This explains the free interval. He has never before observed this in 900 gotter operations. Paralysis of the phrenic perve or irritation, seems to him improbable for many reasons. Sauerbruch does not report any such phenomena in repeated phrencoto-mes according t Kulenkampil the phrenic nerve does not carry any fibers sensitive to pain, Ochlecker believes that the pain must have some other source according to Hirschler long-continuing paralysis and pains are due to nerve injuries, and not t the effect of the novocaine suprarenin solutions.

ADDRESS AND PARTY

"Narcosis," New Harramell Local Cembleki Amenthetic (* \arrona em neues l'amanci-Lokal-Amintheticum) Destiche sekaarii Webenche Anisthetarum)

9 3, avi. 5 By Zentralbi. f. d ges Chur Greaterb The uthor has ttempted to red or the torderty f

cocaine by adding hamamelts extract. In this way be has succeeded in diminishing the cocalne content to 0.75 per cent and braining the same effect as

that given by a per cent cocame solution.

The mixture h calls narcona. In contrast to suprarenal preparations, th. hamamelis extract has an anzesthetlaing power is not toxi body and does

not produce muscular contraction. It has tonic action on the heart and coelerates the healing of wounds. The author has used this mixture in abo t ,000 cases with good results

SURGERY OF THE HEAD AND NECK

HEAD

Kahn, L. M. Congenital Bilateral Fistula f the Lower Lip. Am. J M Sc 9 3 catvi, 233 By Surg Gynec. & Obst.

The anthor reports twenty two cases from the literature and one of his own The latter is patient

SUPCICAL INSTRUMENTS AND APPARATUS

Connell, K An Apparatus - Ansethetometer for Measuring and Mixing Amesthetics and Other V pore and Gases. Surg. Gyect. & Oost. 0.3, xvii, zzs. By Surg. Gyncc. & Obst.

The author describes an apparatus developed

from a commercial gas meter which measures and records the passage f air and other gases mixes two or more gases automatically in the desired proportion, and also feeds air and volatil liquid a tomatically int a comm mixing chamber

Delivery of these accurate mixtures to the patient may be effected by closed face mask. After urgical anaesthesia has been once est blushed After h wever, the a thor prefers to delive by insuffla ti n. He describes his method of pharyngeal insuffiati n, which consists of insuffiatso int the lower pharynx per moment of the c tire bulk needed for inspiration of an accurately prepared anesthetic mixture. For routine delivery this method is preferred to i tratraches insuffiction

The percentages of other vapor i air required by man have been established by this pparatus as follows The most advantageous delivery curve race during primary anesthesia to 35 or 45 per cent by weight of ether vapor to air at sea lovel. With the beginning f relaxation the curv falls to 26 per ad within a few minutes t a per cent t which level it remains for five or ten minutes. The percentage is then gradually lowered to 5 per ent by the end of 40 min tes. This percentage has been found t establish the proper ancethetic temion for the indefinite continuance of full surgical anesthesis. Lower percentages are used ally where light angesthesis is desired. The one variable factor is the length of time and the difficulty in sat rating a particular individual to this miliorm angetheti tenno of 48 millimeters, an equivalent of 5 per cent ether vapor pressure in the alveolar air. The time varies from 5 min tes, in an infant up to 40 min tes, in robust alcoholic.

The a thor discusses the tillty of heating anesthetic mixtures, and concludes that artificial heat is of importance nly to effect accurate vaporiza-tion, since the actual loss of body heat through warming respired gases is negligible.

Accuracy of douge and utomatic delivery have increased the miety and efficiency of ether administrati and decreased the abook of operati e procedure and the sequelze of ether anzesthesia.

three years I age who shows no other facial or congenital deformity and is perfectly healthy The family history is negative. The fistule open on either side of the median line f the lip. slightly oval opening admits small probe which may be passed downward and in ard toward the median line and inserted into fluid pockets j st beneath the microus membran on the inner surface (the lip The fistule are about ; cm in length. Ther do not communicat with each other but are separated by thin fibrous partition. The openings are filled with a giairy transparent secretion

I reviewing the cases reported, kahn finds that the condition is usually companied by other conrenital def mities such as cleft polate and harelip also that it frequently occurs in to or more members I the sam family H her offers the folio ing explanation On either side the wellknow median notch seen t persist sometime dur ing intra-uterine his after funo f the t of the lower im has been completed, it is not unusual t detect slight secondary not hing on either ade. This becomes deeper its deepest portion becoming gradually burned until short t bular tract liber with m coss is formed. The treatment inducated is excinon. H A Ports

Coleman, F The Treatment of Fractures of the Mandible T Introd Cong Med Lord 9.3 \mathrm{\text{\text{tot}}} Surg Genet & Obst

Before considering the treatment of fractures of the mandible, few remarks on their etology position, no character fill serve as an aid in determining the method of treatment t employ

Fractures of the mandible are almost invariably the result of direct violence. The sext of the fractive however is not infrequently on the not oppogit that hich enstalled the mjury.

Fracture of the mandible occurs rarely when the teeth are occlusion is under these circumstances the mardla and mandible become for all practical purposes one bone so that the bru t 1 the show is transmitted through the condrie of the jaw t the glenoid fossas, prochading concussion of the brain and in some cases fracture of the base of the shall.

The signs and symptoms of fracture of the jaw do not fall within the scope f this paper but the thor wakes t mention sign that has so far escaped attention or has not been preciated. The sign in question is produced by a effission of

The sign is question is produced by a effision of blood int the times of the indice of the mouth of gives the t. very characteristic appearance of inmorous membrane has been considered by the blood of the constraint of the blood of the contraction of the constraint of the contraction of the constraint of the contraction of the constraint of the contraction of the contracti

This sign alone will serve t differentiate as external bruthe from an injury that has produced addition then lost from the law for its addition, understand, from an antonical pot at of ever to an effusion of blood or take place for this space bounded extractly by the deep cervical faces and the body section of the second of the contraction of the second of the second of the the deep cervical faces, which is not structure resulty form, and, therefore surmise that the breach has I volved the body of the anadoble The the has found this sign to be present almost invariably and t form as conclusive evidence of fracture i the mandable as effusion of blood int the orbital cellular tilsme is evidence of a fractured base.

I young hidem it is sometimes impossible; mat disagnosis immediately after the layer encept by the use of skigrapshy or by the sid of an arriskelts not is it strictly necessary. The parts are so much inframed and is often the fined blood that even if fracture were detected, it would be harmful as it is a planful apply pressure is so most of the blood and exaded parts. If his is come shorted, the inframmation will have obvoided to that the most harmful and the result in the come shorted, the inframmation will have obvoided to that the most harmful and in the layer of the state of the

If any f the bony fragments he contemplated, this operation will be rendered far easier and len rule of sepan will be incurred if it he delayed until absorption of score of the inflammatory rendston

has taken pla

Fract res in children can usually be treated assistant ray in hearth guit percha or passists, spints in aliced t the outside of the jay list distinct the role of the jay list distinct the fragments, the sam methods will assist out of wima 5 cases of fracture of the jay that have passed through the suther hands for treat

ment he has only once been obliged t apply at internal spiint for child.

A ternal spiint will allow alight non-most it

the condyle of the Jaw but if the mint be carefully assoulded very little movement. Ill take place in its

continuity

The hel value of external splitta as t keep the

ja trest ben there is not much teoriese; to
displairem t tod t ct as danger signal is
protecting the patient from further injury. The
iou tailed basidage serves practically only the hilt

Wring the teeth together although method that dates back t the time of Hippocrates, aboid ruribe used for retaining templer fractures of the anadoble in position, not never if other methods be valiable. The teeth on other side of incitor, if not already loose and tender. If rapidly become so when this unanatural strain is pot upon them.

The principle f all mechanical appliances in the treatment of frequency of the jaw is 1 retain the fragments in position in minimum of disconfiel 1 th pat ent and with the least interference to the function of the part.

The internal splints employed for fracture of the mandible conform largely t three types viz.

Those buch tilize the teeth as their shat ments in controlling the fragments g Hammand splint, Tomes splint

Those hich tilize the teeth and body of the is as their abutments in controlling the fregments, g kangaley spint Ackland spit t

3. Those which tilize the teeth of the oppositive (i.e., maxilla) as their hutments in controlling the fragments g. Gunning sphat Hern spill the solution and the combine two or more of

these principles or re reinf reed by other means.

Before any form f splint is adapted t the jaw
some tremor should be made t get the mouth int

a clean condition.

Even if the mouth be lea and bendity t the tim of th first re-trarely remains so subseq ent by owing t the impartment of maxistation and defittible that re-lit. Apart from this, there is a natural dishedinatio. carry out the ordinary routine of cleanness on serve t the disconfiert (entails not can this be performed ashiet (corely by the new or surgroun in

Moults of the jax — colstance from — gut percha, or plaster presend — rethe texts the material used being retained — up or tray. A counter part is plaster of Parra makes from the mould. There is no need to reduce the fragments white taking the impression, but the x-should be care fully teached. The plaster model is an through in the head fract re should there be displacement, not it splant fitted it the rected model flowly in the contract of the should be should

If metalplat or frame it be fitted t the teeth dies must be obtained

Splints made t fit the teeth gums, both f these parts, should be made slightly loose when there is difficulty in reducing the fragments for

lthough the deformity may be readily corrected on mod 1 it may be f less asily rectified in the mouth so that allow nee must be made for the difficulties that may be encoultered restoring the

parts t their correct alignment.
When the sphint is ready for insertion, the fragments are rediced an angesthetic is somet mes useful.

at this stage

Spilits are usually returned th mouth for are to eight eels. Even if the fragments have not come into courat proposition, and silight gap exceeds the eight of the eight of the fragment of the fracture, this will be almost entirely off ced within air months it year on until the longating if the tech until resistance from occursion of orered.

Some t or three years ago the thor devised is claim; that he hoped might be f great errice in faiting the fragme t of broken pas and obviat the necessity of making special splint for each patiant.

The principle of the champ consisted of strong strel pring which could be opened it enclose the abreolus, and ben released embedded itself in the bone by means of its projecting claws.

The splint was polied as follows

The patient as placed nder an amenthetic the fragments of the jaw were reduced the clamp was

opened (with special instrument) and forced over the ja i the region of the fracture and then released, thus the lamp was left embedded each aide of the fracture.

The barp projections a class at the extremities of the lumbs of the clamp readily potentiated the murous membrane b told not sufficiently penetrated the murous membrane b told not sufficiently penetrate be bon. I fix the fragme ta securely. The case with which the clamp could be inserted and removed to eleminous, and the ready access to their its offertune that it allowed, were divantages blich populated strongly in its favor. Morrower becamp was adapted by whether teeth reprise to root and could be used over and ver again.

The the has implayed the clamp by in one case, and aithough the result was excellent, be is unable t say how in this result was due t be use of the clamp as in most cases of fracture of the law the result is satisfact by provided there is no errest tendency t displacement of the fragments.

The clamp was left on for at weeks o more during which time the patient experienced but little

descomfort

The principle of the clamp seems orthy of attention, and if any some means can be devised by which the hard tissues as to penetrated as well as the soft the clamp ould form useful means of retaining fragments of the jaw in prosition.

Waring the fragments together is not method f treatment often required for fractures of the

mandible

If Hammond or metal-cap splint has been thisred, semi-solid food may be given withil a day or two and after two or three weeks this may be gradually replaced by divided solid food

Those splints that fix the jaws t each other necessitat the maintenance of flund dist until the splint is removed. The spout of the feedig cup abould be fitted with an India rubber tube with a case be passed int it space afforded by the splint

The opening of abscrss may be regulared durf of the treatment of irractived just. This is the property of the

In registered cases the tissues around the law may be riddled ith becases discharging through puckered sunues.

Ankylous of the temporo-mandibular joint is a frequent sequel of fracture of the condyle Fallure 1 by y umon is uncommon. Gurlt met

with only two Instances of fallure of union in his 43 recorded cases, nd both f these were ubsequently cured by operation

The chief causes of fa lure t suit are want of rest of the fragments and necrosis, especially if the latter be extensive so that the ends of the h ing hone are a lifely separated. Van Láng, K. Suppurations of the Frantal Sin see (ther bareberride Silenbaleseiterangen). Best s the Carr og Lincoln see By Zestralbi f d. gra. Chir. L. Grenneb

Suppurations I the frontal signess originar exclusively i the none. The most freque transe is copyen and influenza. Much more rarely the indimination is due to englishoring symbilitie or tuberculosis processes or training. Hoth static and chronic disease is source or constant danger became the infection may speed through conpential clears, it belonge only a refile versativity when the control of the affection. The till of evaluation of the affection.

in the most I versible cases perform the upper yelds but I represently proof or extressive orbital proof or the proof of the proof of the rounts of the the state of the proof of the cases of the proof of the proof of the result of the theory of the proof of the result of the thouse after the proof of the which use til leads as rule to units extrangle comple culture. In one of the days the bose may be de-

The consequences are bicesses a the orbit sich

cations In one of t days the bone may be the stroyed by an every relient inflammation and fixed menonation may develop. Extradural as Illus level be received and the colorest. Menonation series in rare and more is crable for the prognosis. Despress of frontial uson supportations with baces formations in smallly easy especially 1 the researce of nos can be determined in the middle

saad pessage. While successfully frontial same suppursions with aboves formations are successfully treated endousantly the boses-producing forms re naturally tracked from the outside Benden the Incision of the aboves the frontial same must be opened widely. Kinther, follow, no Rockel have postered out the most metall methods. Therefore, the contract of the wells a discussed. If the reason contents are excepted frontial to the contract of the

Nimier II and Nimier A. On the Treatment of Fractures of the Fatreer Portion of the Temporal Bon (Ser la trainment de fracture du racher)

Le d de 0 5, livis, 87 journal de Chruspe

Admitt g hat non niertism of the i mpanis cavity as if prazi importance in majority of first turns of the petrost portuon of the temporal bone the thorn on the basis of the st ingles of Diebps and Valentin, do not sarvise stargical interference in these incurrent. In most cases drying of the anoli tory canal and the policitation of an illumination of the same of t

hagis or escape of cerebro-soluti finid are, according to the orbors, for se, indications for operation. On the other hand, if a infection is present as confined by spinal proteins, then a decompression with permanent drainage is indicated. The subtemporal traphing is preferred to other crusics.

Decompression is indicated in cases of extradural beneatons in these fractures, expectilly It the matoid exchanged comes at the location of the fissure. The authors perfer t the submasted roots, the transmasted ith exposure of the lateral series. If the beneatons is intradural (supposing that the localization can be made Enfolly) the submasted

routs is preferred.

In case there is a bone disease the authors, without admitting the absolute precessity of operation recommend enlarging the opening in the sympanum. If there are concentiant encryball troubles, they dise an operation with respect t the sil of the

d jie an operation with impect ! the sil of the base disease rather the preventive operation. If the infection leads t servous meningiti, or corollagiam, operation on the ear generally suffices, as is the case in more severe infections, here however more radical operation including the cerebellar

foma and the submarted region is necessary

Marges, W F Findings in Obsestre Head Lesions. I Am Marg key See Boston, 413, Oct. By Serr Gyme, I U.Se.

The subject is treated usder two bodds () The findings in the shall bones, () the findings in the brain and its processer. The findings in discussed the accessory summer and mustoids, and discuss and irregularity of the text and final bones are not.

meladed I mous subjects discussed are the findings in the skull bears due to external and internal informets. the immediat results of moury the nature and extent of fracture, ere temple result overhooked Inectures the organization of blood clots ortermuchtis personalius and factors tending toward mallgrancy gumma, etc. Abacess of the brain is most frequently due t infection from skull bones or their processes, hence routgestographs will be of decaded value is aboving the source of infection and belo to differentiat at from other conditions. Even the more superficial abscesses in y he localized by this means. Atrophy of the inner table of the shall due t pressure seems t show on the rout genographs the location of tursors, cysts, etc. when they are superficial. General thunness of the shall bones with depressions corresponding to the brain convolutions occurs when there is internal hydrocenhales from any cause. I external hydro cephalos the boses may be this but the con olution depressions are beent. The skull source are apt to be wearated in both. A certain number of brain tumors are detre enough to cast diagnostic hadows. Nearly all t more at the base of the brain will produce internal hydrocephalus. Reference L made

the article by Balley and Jelliffe on pineal tumors. and to abstracts of all reported cases (Arch. Int. Med., or vill, 85) Internal hydrocephalus was noted in nearly every case. This is clearly shown

on ronigenegraphs.

The numerous investigations made of pituitary conditions are referred to only briefly. In twenty such recent cases with obscure head symptoms the author has found shadows of calcareous bodies in the region of the pineal gland. One case was an acromegalic, two had exophthalmic golter and several were eplleptics. Nearly all had severe headache at times and practically all had some irrerolarity of the sella turcica or choolds.

Resumowsky W J Th Question of Surgical Treatment of Cortical, Transmatic or Non-Tratematic, Epilepsy (Zer Frage der cherergischen Behandlung der correction, traumatischen und aucht traumatischen, Epsleysie) Arch f kim Chr. 9 3, ci 075 By Zentralbi i.d ges Chl. i Grungeb

According t the latest theories regard to th nature of epilepsy truct differentiation between organic and genuine epilepsy a not permanable In the majority of all 1 the cases f genuine eps lepsy examined systematically local affections have been found. Other forms begin as J clao a spasma and assume the genuine character gradually Local affections lead in time t permanent hanges f diffuse character

Of the local discuses the cortical and subcortical affections are especially adapted t surgical treat ment. In some cases, however, the e cision if the eplleptogenous cortical centers has resulted in cure when the local remain changes were remote. I traumatic epilepsy changes caused by the trauma are found in the brain or in the covering layers I traumatic Jacksonian epilepsy also without visible changes the removal of the centers is indicated. If general epilepsy without localized symptoms occurs

after traums the formation of valve is indicated. The author has operated in fourteen cases of non traumatic Jacksonian epilepsy. One of these pa tients died t the end of nine months from purulent ependymitis of the ventricles of the bruin. In more than half of the cases of epilepsy th results were good and only three r fou were negative. In nearly every case bipolar stimulation was used to find the epileptogenous centers. In some cases thus camed a pronounced epileptic spasm 1 som only the beginning of spasm and in others only sample physiological contractions. After the center was lound, the cortex was amoutated to layers from erren t ten millimeters in thickness with sharp knd or speen until the irritation caused no or only alight epileptic contractions. The center was an tirpated also in cases where no epileptic cramps could be elicited. Sometimes paralysis occurred but in every case it soon disappeared. A disturbante of the stereognostic sense larts longer but assembed; disappears quickly I three cases of Kochewnikow's epilepsy is operation was per

formed with good results the arm center being excised in each instance.

Rehn, E. A topiastic F t Transplantation for Defects in the Dura and the Brain (Die Ver wendung der autoplestlichen Fetttramplastationen bei Dura- und Hirodefekten) Arch, f Elia, Chir

0.3 01.06 By Zentralbl. f. d ges Chir L Grenneth.

With the introduction of dura planty the treat ment of transmatic epilepsy has reached a new and successful stage. The result obtained by the au thor with autoplastic fat transplantation has been very favorable. In order t indee the method. careful selection of suitable cases of purely typical partial and general traumatic epilepsy is necessary A case can be pronounced cured mly the bads of an observation made from three t five years after the operatio

The esults of dura plasty with transplantation of persosteum perstoneum and faucia also are discussed. The beeved change of the transplanted favors and precess of peritoneum int. fatty these the autho considers a very useful sign of adaptation and an essential fact for the cure of traumatic epilepsy speriment with autoplastic transplantation f

fat in dogs, hobtsined a reactionless cure without the least disturbance of the central nervous sys The greater portion of the fatty tissue preserved all I its constituents nehanged and became the permanent possession of the part of the body into which it was put. The histolopical changes were fliestrated with drawings. The transplants tion formed a basal plate f connective theme which completely covered the defect in the dars. Becoming more and more tense, though retaining its fine character it formed a full substitute for the dura. Adhesious to the soft cerebral membrane could not be evokied, but as they formed only dellcat connective timese strands they could always be early loosened. On the basis of successful case the author recommends the transplantatio of fat she for the purpose of plugging defect in the reatnet DI ARY

Luck tt W H Air in the Ventricles of the Brain Tollowing a Fracture of the Skull; Report of a Case Surg Gyan. It Old 9 3, xvii.

By Surg Gyan. It Obst.

The outhor reports a case of a machinist who was struck by a trolley car sintaining fracture of the frontal bon and kull. Twel a days later be was pperently normal as far as his mental state was concurned. A week after this, he had periods of mental confusion and melancholy otherwise he was normal except for increased knew jerks. The len cocyte count was 15 000. The ey grounds showed bilateral optic neuritle. The conditio was

diagnosed as d e to intracranial presed a caused

probably by an becess.

A series of \(\) ray plates showed that the ventricles were enormously dilated with either all or gas. The

restricte was purctured through a right-addet may temporal opening. On exposure the days did not bulge and was not particularly tense. A fluid excapted hen the dura and pat were Incheed. A alight meetingths was noted. A needle was passed int the anterior born of the lateral we trick and the removal of the trocar was followed by sports of w. Light call centimeters of dera rendermorphia of the continues of dera rendermorphia at in the restricte, small piece of rendermorphia subscript I opening. Considerable clear field indiced the present form between the con-

and all said the fourth day after operation when the temperate readedly rose to on's and he died. At topsy or found is the ventricles. There was incerted ound of the base of the right frontal iobs beneath the anterior born and over the fracture of the orbital pair. Are communicated with the frontal storm. It was subsequently learned that the left and the fresh of the fresh of the orbital state.

and the Indications for Operation Reharding der Gekurstmorer und die Indicatione fit deren Opera ioni Talerinal Conf. Lord 0.3, but 0.00 March 10
t kinds radical operations lik stripation of the t more, ad pullute operations for the celled of the brain. The latter re-usually primary b it if or y reeson the rad all operation is not successful, they may be econolary. The instinctions for the radical operation at the promotions of the normation.

depend upon three (h gs
The nat re f (hc, i mor The most f vorable
re the sharply currennershed tumors and especially
those that are ext rebral. Unfort nated hased
differentiation bet een the common j hijtathing

ghomat and the sharply circumscribed successes

et is at Il very duliculi.

I The gowelluli of malting point general of local diagnoss. The general diagnosis may be difficult in outst of locals, hydrocepablar of the so-called possible mose. Local diagnosis is often impossible in see of tentors I the right temporal and from I lobest and is discust in experimental and from I lobest and is discussible to employ of the compact of

The a cyclulary of the tamors. T more of the brain in the third writted or risaccrevable to operately treatment as are also many of those? I wondulls of the hearingshers. Ill others is excess ble t vargical treatment (it h varying degrees of a ger treatment to present on Frinstry publisher operations is understood in even which though there is no best old approach to the which though the properties of the

Leri, A. Acronsegaly (Mromegale). H add & Yes rel 19 1, fr. 221. By Zentribl, L d. ges. Chr s. I. Gressgeb

The symptoms and course of the disease are described i detail. The diagnosis, hick is out spoken cases rests on the characteristic physical findings, is fully discounted I cases which are not so evident the \-ray may be used to confirm the diagreesis. The sells turrics is markedly enlarged the skull is not of uniform thickness, and the various alnuses are distinctly undened. The emistaces posterior t the jambdold suture are much more prominent the normal. I ray pictures are especouly metal the beginn and the disease t recent confusing it with those conditions which do not as rule, levely the bones of the kull as all as those of the trunk d the extremities, but are confined either those of the other lie. Paper's disease rackly tis, myaredema, leontiasi omea of Virchow ovy cephaly and the hypertropher posumatic exten-arthropathy of M ne. The channel perture of these various discuses is outlined sufficiently t brist out the differential diagnoss and clearly. The obsectively demonstrated banges in the hypophysis etiological factor conclude the first part. In the chapter on the pathogeness and nathological physiology the a their ductions rarious hypothesis If it of the opation that the cause of acromigaly a t be found lescon of the piturtary gland, and that back of t bes distrooms condition of the gland. The fact that tumors of the hypophysis occur whost producing cromeraly does not affect this theory more it has been alon experimentally that microcoperally amall portions of glandaler th-

see are sufficient for physicological function. Whether the ymptoms re produced by hiper or hypo-secretion is hard t determine as the strument for pd games re-not t Il conclusive. Of therapeutic measures lasch are policiable, hypophysical organutherapy is suggested if it ca be proved that hyposecretion is the cause of the disturbance the the method have been unsth-The result factory Redictherapy is carable of destroying hypophyseal tumors and seems t give the best to sults I applied to the I rm of the crossed ra's Bédire police the ra s t the hypophysis through the mouth and er the forehead and parietal re gloss. The earliest possible treatment is credited ith the best result If both of these knes of treet ment prov. muccessful, nergocal procedures in adocted. Hunch opera et through the must et lnescressful, surgical procedures re After resect ug the sept m and the upper prescles be estern the aphenoid fours. Of a enty gx patient operated upon by this method, three died ad fifteen sho ed decided improvement I on Schloffer and on Eastlaberg used the most rout the former by separating the note from above down and and the latter by making the flap from a thin out ards. By this method the ethmordal cells are removed, the sphenoidal form opened, and its posterior il removed The results gratil ng. The severe heads ac subsided, the

Stendell, W. Th. Comparatt. Anatomy ad III t togy of th. Hyophys! Cerebel (Zur. 1980), enden has ome and liveologic der H pophs. ere

bil) feck f merser p faut a termi su By Zentrallil f d ges Chi Creangeb

The thor ha examined t el peries of Schriffi, and the camed and the elepha t in the studied the functional clat into 1 the part 1 the studied the functional clat into 1 the part 1 the production of 1 is certified in 1 spate of their common origin from the epithel in old the primith baccal in the terfor lobe in the three backs and the para intermedia must be regarded as a different districts gland. The para intermedia which is poor in blood es-cla, is closely connected in all animals in the posterior lobe which is almost all provided as the loss of the shift of the para intermedia and which is provided as the loss of the para intermedia rathe that secretion of the pairs intermedia rathe that secretion of the pairs intermedial rathe that

I some species of animals definit paths from the secreting glands I the pure it renedle t the posterior lobe as be demon t ted. Ance colloid is found only in old and lid als in both the anterior lobe and the pars intermedia it must be regarded not as a sormal secretion but dence of degenerative processes. However it mabe taken as an indicat f the ourse followed by the normal secretion high cusnot be demonstrated While the pars intermedia is most highly developed in the lower mammats and steadil decreases in ske as rise in the scale in man the probypophy w is most highly developed. Throughout the animal kingdom it is connected only slightly ith the para intermedia and the posterior lobe frequent ly by a connective tiesue septum or small pedicte (Sauropeida) I the mphibum the t parts lie side by side athout y organic connection and in mammab they re separated by the hypophyseal recess. Therefore it is probable that the secretion of the terior lobe is not conclucted through the posterior lobe but is discharged directly it the blood.

The franchiar cells are located on the epithelium of the blood vessels in the venus be convoluted secretion can often be demonstrated. The three streets with Benda and Cruzuf ide at the lentity of the three kinds of cells of the astronomic tools that of the convolution of the co

As the result of his experiments the author con chicks that the theory that the part of the hypophy is ha different internal secretions is confirmed by their morphological character Tokkar Au toni, A Experimental Compression of th Hypophysis (Solla compression artificiale del Pipos-1) Politi A., Roma, ext. hl 9 5 xx, 50. By Zentralbi, i d ges Chir u. i. Grenzab.

The uthor laims priority over Chiasserial in experimental i vestigations in the hypophysis in sit since i his rticle hypophysect my (l'adova. E.lit Soc. Coop Tip. 1913) be gave a new method for studying the function of the gland In order t overcome the severe traumatum which occurs during the removal of a gland for the purpose of elim nating it function, the author 1 troduced a laminaria bougle close to the hypophysis for the numose of alo by compressing it i situ. By means of this rifficual t mor be wished t determine conlusively bether the explanation if the hypophysis symptoms (acromegaly dystrophia adiposoreni tales giveosu a somnolence cacheria hypophyseoprival on the basis of the mechanical action of the tumor is rrect. The object was not so m. h to lea up the yndrome of arromegaly as t decide hether t as the pressure—the pitultary body or pon the neighboring parts of the base of the brain that called forth the dystrophia hypophysaria Does ere used for the experiments, but monkeys te better dapted \10 of the animals were young ad full dev loped. The control dog f the same sex, race and go as the other. In the one the dry sternheed iam nama bounce a mtroduced bet ee the hypophysis and the base I the brail hile the control the part ere exposed I the same way but the boom was not introduced. In look ag for the hypophysis the utbor med procedure for cramertomy temporosphenoidalis umlar t the Hartley Krause method for resecting the garverian ganglion. On the right side of the head horseshor-shaped flap, neluding kin, temporal muscle and persosteum was made as turned pa ch. By opening the mouth the oronoid process as drawn dos and the bner part of the pterygoid muscle was freed, and y the anterior inferior part of the parietal, the squamous portion of the t imporal, and the greater ing of the sphenoid bones are laid bare. All of these part ere removed t the crist sphenotem poralis, nd thus the brai ould be raised so t expose the hypophysis. The thor recommends the asme procedur for the operation on the huma being. The method is preferable t. P. ulesco s. for I laying the scalp flap dow and one has less room below and must do more trephining besides being bl ged t rame the bral much higher It is also better tha the modification of Chiasternal I whi h the flap is not reserted and the temporal muscle is cut cross. STRUTTELER.

Preysing A New M thed of Operating pon the Hypophysis (Beltities sur Operation der Hypophysis) Internet Zentrelli J Laryagoi Rhand new P. Hr., 9-3 Eury 40

By Zentralbi f. d. gra. Chir u. i. Grenzeb.
Preysing recommends operating on tumors of the
hypophysis by resects g the bard paint. This

method is especially valuable for ery large tumors, for which the author has used it in four cases. If believes it offers closer approach to and better view of the field of operation than any procedure that has been used prayionly. Dreat.

Holmgren, G. Operations on the Hypophysis by the Nasal Rout (Über transcala Hypophysisoperationen). Hypiss, 9 3 lutv, 48r. By Zentzhki L.d. gas. Che. I. Grengreb

The author gives very detailed description of case of tumor of the hypophysis which he beerved nd operated upon. The nations was a ma thirty four years of age who had al ays been well trevionly For t years he had had periodical heada bea which varied in intensity and were more severe on the right than the left side \ maal disturbances were first noticed I the left eye and then I the right. After a year there was only partial perception of light on the temperal side of the right eye and the visual aculty of the left eye had decreased t 1/60. On diminsion t the bosontal the patient could count fingers with the left eye only when they ere held immediately in front of the There as temporal bemisnoous and the visual field was very much decreased concentrically The right eye had not the ged slees the previous examination. On both sides there was murked opuc trophy Polyuria was marked Great he ges in the A-ray pict re Ifirech operation was performed Technically it as easy pol t of ochang the dura was ten hed. The entire roof and posterior well of the sphenoidal at uses as simply mass fault red, polaring these pushing form rd int the sames. The operator could not had y definit tumor so be merely postured the dura and curetted. The operatio insted for and ne half hours. Indeform gause tumpons were

of ne half beens. Indefering pune tampons were placed in the nasil cavit er. There was no dreinage of the applicated of the nasil cavit er. There was no dreinage of the application of the control of th

CHIATZ

J hnaton, G G. The Radiology of the Pituitary Body in Epilepsy and Pituitary Disorders. T Am. Hint Ray Sec., Boston 9 5, Oct. By Sorg Uponc. & Obst.

Johnston has made \-ray studies of the pituitary fossa in some eighty cases of epitepsy which in chiede principally patients who developed epitepsy between the lifteen and thurty lith year and did not includ patients who showed epiteptic titacks as part of the symptom-complex streadant up pituliary trums. He has been stretch by practically constant occurrence in each case of marked hyperturoly or hyperzototis of the potentic clinoidal processes which results in an apparent roofing of the foesa with consequent extraordisect upon and interference with the posterior loke of the pituliary.

Attention is called to the work of Caelling who is shown that positroic lobe hypo-pinutaries with produce epidepsy and believes that this is the probble explanation of the came of the attacks in the class of patients described. If allows repeated examples of this type of anatomical deviation to class of cases and states that the feeding of postern to be extract it such patients in followed by laters.

ing results

The a thor makes no attempt t explain the occurrence of the hyperostoris beyond the statement that yphile seems to pl y n part and that in soon of the causes the process is appareally active. Be

and the state of the securities of large made that lead of gather and the tree of course above in the large of the large property of the large of the large property of the large property of the course property, the gland is so interfered with that its functional surface to bampered and mit. Of the cases colorest degeneration of the gland was apparely point of an enary if the cases above, the shadows of the anterior and elibodial processes not only meet the denderly overtage. In his own series of cases the conditions was found the present the greater of the days countries.

in refer t be [va] the examination time is made with struct attentio t the planes of the skull so that distortion may be avoided. In the cases above and described, pluntary tensors accluded although number of such cases aboving takkepsy as one of the symptomas were classified and described reporticity.

The spleptics examined were selected by the neurologists, McKennan, Henninger and Mayer. Cerebropathy cerebral syphilis, etc., were exhaust

HECK

Nicoll, J. H. The Avoida ce. I Unsightly Scr. Deformities in th. Operativ. Treatment of Gervical Lymphadenitis. Glerow H. J. 19, bux, 2. By Surg. Grac. k Oct.

Reference is made by the author to the chaspet attitude that the profession has taken toward the treatment of the thorstoon of his taken toward the treatment of tuberchiose joint. A few years we has attempt was made to remove all of the taken to the contract of the treatment of part of the tuberchios material, the lipsetten of some attention of part of the tuberchios material, the lipsetten of some attention of both measures. The same change treatment of the tr

conservatism has been noticed in the treatment of taberculous lymphatienitis especially that of the cervical region. The radical operation i the clean removal of all of the diseased glands has in part at least, given way to a more conservative and less distinguing measure.

The operations which the author emphasizes especially are Treves operatio and Dollinger's

operation.

The Treves operatio is peri rmed as follows A small incisio is made, usually in the regio of and parallel to the clavicle Through this incusion the enlarged glands are tunneled out by the dissect ing finger A small gauze wick is placed in the

opening for drainage.

The Dollmerr operation is very similar but is in tended primarily for operations upon glands Lhe occipital region. The incision is made in the hair line and the lower flap is turned down so as to expose the underlying glands. The latter are then removed ex sease as far a possible and the wound closed with small game drain. J H SIMMER

Morestin, M II The Excision of th Groups f Orrical Lymph Glands in Cancers of the Houth ad of the Pharyax (Levidemen deplies ganglionnaires cervicius d'uns les cuacers de la bouche et du pharvinz) J de chie 9 3, 2, 657 By Surg. Gyore & Otac

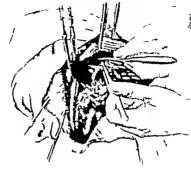
Morestin contends that the doubt! I prognosis in cancer of the mouth has been due t the delay in surgical treatment and to too-restricted operations Cancers of the mouth and pharyns remain strictly local for only a very short time they extend very rapidly int the lymphatics. On the other hand they very rarely form distant metastases, ad thus can be considered out favorable for complete eradication of the disease provided the surgeo egards not also the initial lesion, but also the entire lymphati apparatos which drains the region

cancer that should be removed. All cancers of the buccal mucous membrane the up the cheek, the floor of the mouth, the t ngue the pharynx the must found, nd the jaws, all cancers orignanting in the skin which have infiltrated the depths, and all cancers of the parotid demand beolutely the extirpation of the corresponding groups of cervical glands. This extirpation may be trai or bilinteral at can be done t no sitting with extirpation of the primary growth or may precede or follow the latter. The operative technique varies somewhat according to the sate of the primary lesion, the degree of involvement of the gland, bether they be movable fixed t surrounding

timues, and the degree of the resistance of the patient. I the cases in which the cervical nodes are not palpably involved, but are t be removed as part of the treatment of the disease, Morestin proceeds as follows. The head is turned slightly a sy from the field of operation. The incisso comprises ith three branches, the center ber g at th seperior border of the thyroid cartilage

antenor t the sterno-cleido-masteld muscle From this center one incision is carried forward to the symphysis of the chin, the second goes to the ntenor border of the mestoid process, and the third travels downward and backward to the clavicle at the posterior border of the sterno-deido-mastoid. In some cases it is necessary to make a fourth com plementary incision extending backward from the inferior end f the third incision along the superior border of the clavicie. The three flaps just outlined are dissected, the upper t above the inferior border f the mandible, the anterior as far as the median line, and the posterior freed from the aponeurosis f the sternomastoid, well posterior to this muscle. The external jugular vein will be encountered in this dissectio with one, two, or three lymph-nodes at sta pper extremity. It is ligated above and below and cut at nee (Fig.) Beginning t the top the entire inferior border of the mandible is laid bare The facial artery and voins are cut between clamps in front I the masseter muscle and the inferior end turned down toward the submaxillary regio together with a paramaxillary premaseteric node which generally accompanies them. The submenilary gland with the nodes i and at tervals on its external uperior surf ce is freed from the bone and the parotid is separated from the a terio border I the sternomastoid as far as the masteld Drocess Many veins from the parotid to the external nd internal jugulars and to the f cial are cut in this dissection The posterior belly of the direction is accovered. Next, going forward, it is necessary to bare the anterior belly of the digastric to accorp out the i terdigastric space carefully detaching the two or three nodes found there with all the cellular timue and 1 bare the fibres of the myl byold to their median raphe. The glands cuveloped in cellular theme are turned back ton rd the bmaxillary region. I the angle formed by the digastric with the inferior border of the j w is the submental artery. This is clamped and out The submanillary gland is then easily drawn back, freed ir m the mylohyold, and entirely detached by cutting Wharto a duct. After clamping the I cial artery as it passes within the digastric and stylo-hyold the emptying of the submaxillary spare is completed by laying bere the tendon f the dignatri

In tracking the carotid region, the subhyoid and particularly the nterior belly of the omohyoid are first detached. Then the perficial cervical fascia is inched along the posterior border of the atemomastoid and disserted from behind forward t the anterior border of this muscle including the external ugular wein with its accompanying lymph-glands Havi g freed the nterior surface of the sternomas told, its inner border is very carefully dissected i its entire length and the carotid region is thus widely opened. The spinal accessory nerve is isolated from the point where it first enters this space until it enters the muscle Behind this nerve is important group of glands often buried in mass [f t The glands and fat are dissected en Nec the



duscribe being carried 1: the deep muscles of the beel if necessary. The freed mass is passed der the spasal accessory and is drawn anteriorly. It is then possible to dissect from shove down and the entire chair of lymphathes and cellula thase 1 mg the posterior border of the internal 1 gular vei (Fig.). The jumplar vein is carefully eleaned from beined forward, and when the thyro-lungu facial trush is met it is cut at its junctions with the jumplar the engolying of the regio is completed by biberat log the a terior part of all glands and cellular tissue that it constains and the sexual amount of relinlar than the contract of the

tissas around the greater corps of the hypod (Fig. 3). The superclavelular triang it he cleaning of which is precautionary measure that it is well it. Let be emptied either before or fifter the impletio of the preceding step without much loss of time that the contract before the terromaistid has been fired the posterior border is exposed to the first that it is not been fired the posterior border is exposed to the first that the posterior border is exposed to the first that the first that the contract of the composed of the first that the contract of the first that the

resources enviced recry and me to the subclavia

When the operation is terminated (Fg. 4) If of the gland-hearing trume of me side f the neck, except the negligible subhyoid has bee raised one block and not single gland has been sought or cut or pinched Ith the forceps 1 case the sterno maxical arracle is dherent t the fixed and nlarged giandular messes the anterior superior carot I repons, the operator ca be ure that the nternal lugula vein a involved and that both muscl nd cia must be sacrificed. As soon as the star alin flaps are raused, the ski still being t t the sternomastoid is ent close t ta tt hments t the clayide and mastoid. The jugula re is bared beneath the omohyoid divided bet ee clamps, nd separated from belo pra rd from the carotid and pneumogastri. The upra lavicular triangle can then be easily cleaned. The common caroud the i ternal carot d nd the pneumogastric can usually be pared. As the terror uperior carotid region is most involved this of tlacked antil the submanillary nd then the ferror arot d supracla lcula and posterior carot d regions refunded The order of ttack may be assed but hould at ye en verge upo the regio most invol ed such is left t the last Resection of the sternomastord often hortens the time of operation

The technique varies little if the upracia scular or binaziliary groups re adherent. The last complication is met with freq entity and is handled by begianing the operation by least g the superactivities of carolid epons and ending by the ablation ra Mer of the submaxiliary region.

part of the mandible

If the glands at the base of the neck—large ad dither t the author advises resect n f a half or even the inner t—thirds of the clavide to f cilitate the dissection—f the region—N—bad functional results follow this procedure

Th technique used and the decision as it whether never neveral stage operated about the performed depends upon the location of the tumor and the condution of the part it. The nestage operated the condution of the part is the nestage operated by the part of the part operated by the

tso is the operatif of choice

In cancers of the floor of the mouth, Morestin conaders fix-sential trem we all of the lymphatics f both aides f the neck. This operation he per floors in three st get first total exist of the glands of one side second, the total existing the glands of the ther sid in third the excision of the structures of the floor of the mouth with resce to the floor and by many that the level f the second

mola This procedure is adopted in order t wold feet ug the deep tructures of the neck when openg int the mouth cavity. One, or t most, two weeks, re all wed to attervene between the steps,

I cancer of the t ngue the operatio is per freed preferably once stage owing to the distotion I issues who be reders at a properatioceedingry distoit. If the tensor is confined to ne internal sid of the target, the imprachated to the tensor is a properation of the internal sid of the target, the imprachated to proups of the flected side and support to the tensor below of the flected side and the internal side of the nearest tensor in the support of the season side are exceed. The dissection is commenced from below at y working from bel w growers of if the stermonisted is not red to the property of the stermonisted is not red to the support of the stermonisted is not red to the support of the stermonisted is not red to the support of the stermonisted is not red to the support of the stermonisted is not red to the support of the stermonisted is not red to the support of the stermonisted is not red to the support of the stermonisted is not red to the support of the stermonisted is not red to the support of the stermonisted of the support of the plangagral will order to protect the case of

the middline from tilp it losse. All remainful tusseer i ettilized as well as poserible i close the defect not the wound packed tightly in hondorom gause. The only other drainage is one rubber i be placed feroofly in the line i foctation, and another through at b the posterior flap. This technique is writed some hat coveding it the seat and also of the time of 18 mut details if technique for an

case re caref ily described.

I cancer of the bests and of the labial commission it is necessary; textical till be flandes of the affected side with resection f the mandalise her cen the tumon of the boundling gland and ill the uprahood glands of the opposit sid. This opera to be performed preferally in the flat the first being the excusion first more in his suppression of the suppr

For ordinary cancers of the lip one-stage operation is performed. The gland lar dissection is not carried beyond the nervio carotid group. The ly preca tion is t close the incision for the glandula dissection before attacking the tumor



like a The meteorog A he asserts breaks of he to

int to or three tages lorder to render it support ble. I these cases ligation or better excluse f the xternal carotid with its branches, is a wise precaution. If the buccopharyngeal cavity is onened at the same t ge that the carotid region is exposed, the latter should be sealed off from the former by setting give i roomatoin muscle t the sabhyold the digastri and the pharyageal will be the terroomatoid, the I terrial lugular and pneumograture f one side may be sacraticed the tiear Ib ternal and common carot d must be preserved t all cost nd ca almost lw vs be separated from the agglotinated glands whi h surround them Resectio f the lavicle perm t more ext mo operatio and the removal of ppa ently firmly dhere t lymphetics. The prognous is best whe the lesions are least dvanced the gangha most movable and the subject most existant. It is the more satisfact my as t dist it result the more the eradication i complet by my tel matched cally and natomically cond ted All II good technique allows us t f the surgery with co Science and proves that the radi. I core of these cancers ca be regula ly bt loed (the nation) re

operated upon as here dv sed d t opport ne time lin l = ## Graham A. Tumors of the Carotid Sodyt with

Report of Tw. Cases. Unit limit II ... 18 ..

bears to the sympathed nervous vatem.

The only leaken if the carotial looks so is described as haracteristic tumo, and the leacinptions of all of the new growths han been quit similar.

19.1 of thirty five cases have been reported. The although est a stillment is histories. The discourse of the operations. The operations the description of both the gross of the morrowcept. It is the contraction of the con

I thirty-six cases of which complet case eports region, the tempor occurred I o mades and 7 females. The crage age is high they were found regionally a large and the oldert, 6, I twenty-t ages all there carotids were lighted, and in five the external carotid shoes I seeke cases the tumor was recorded as

moved without fnl ry t the vessels. I sex cases there wa injury t the vagus nerve in eight, to the hypogloud and I four t the sympathetic. Hemiplegia occurred four times. Four of these pa tients if ed pd one died. In ne case the patient suffered cerebral hemorrhage but recovered. In for cases there were ecurrences in three after ligation of the carotid ith remoral of the t mor and in ne after the removal of the tumor only I'm cases ecurred within year one in four months nd the ther in tw mo that The results in two cases operated upon are not at ted. I two cases death resulted from pneumonis in three from harmorrhage and book and in one from hemiplegia. ne case d ath occurred from cerebral hemor rhage me month after the patient left the bospital, nd in nother from recurrence t the end of a en 1 omplet bibliography is appended. DOY ID COMO

G [bai F A Contribution t the Surgery of the Neck. I U flateral Resection of th Internal 1 g is not present plants of the Contributions a la chirarce du ou. La récetion substitute de la protein natione de la produce est-dia underna) Re d ke g 1 xi II, pd.

1 Re d ke g 1 xi II, pd.

2 y Journal de Chruspe

By Journal de Chruspe

Unlateral resection of the internal jugular and pneumogastric is generally considered harmless. The following cases idded t several them leady published tend t disproy this

A man of fifty fi was ff ring from parement cell epathelloma of the right vocal cord and there ere warvely perceptible lymph nodes long the ourse of the left carolid

It the first operation the ganglio s, the left internal legals in of the pneumopastric ero resected the no immediat trouble Latter tracheotomy as performed. It for the evening the patient semi-constone respiration 40 pulse 8 temperature 35° C. On seculation there was a

temperature 38° C. On exculation there was a phenomenoman fithe left aide of parels of the right. The text day complet come of right hempleps respiration 4 pulse yo, temperat r 38° C. aid. double pneumonia. Death occurred foot e-crit hours after operatio.

Guibal behaved that the raped oncord got pul monary lessons rould be ascribed. By: the section of the pneumogastric, although such trouble for ungial section, fits cerebral symptoms could be ascribed only to ligature of the ligidal vei. There are no symptoms or signs. I trouble the carotids. Autopays as not possible.

In the case the ymptoms serr dimitsr t those reported by Loiser k maps of von Brains, which er or trolled by utopy. The cerebral symptoms creduct viscous pypertension of the bar or greater when ymptoms to both a lies, but especially on the light of the light of a great like per support of the light of a great like a my man due in anotherency of the remain g j gular. Explora thou for light above the support of the control of the light before operation would be of no

vall, however as aphasia I the sinus portion would not be noted. J Orreceye.

Edm ade, W Thyrold. J Pethol. & Besteriel o s. rvill, No By Surg Ginec. & Obst.

This paper is the ninth of a series by the nithor and deals largely with the metabolism of sugars in dogs who have undergone total thyro-parathyroidectomy and have survived on milk elet supple mented t times by additional calcium lactate. The a thor reports the cases if does living and in good condition eight and fifteen months after total thyro-parathyroidectomy having been kept on a milk diet during that time. He dds the interesting observation that animals will survive total theroparathyroidectomy if they are fed large quantities f milk but that they will not survive if the milk is

btained from thyrosdectomized animals. This would indicat that the comparatively larger amount f calcium salts ingested in the milk does not alone account for the survival. Comparing th results of pringlysis after feeding glucose and lactore to both normal and thyro-parathyroklectomized dogs the uthor concludes from small number of observations that in dogs th thyroid gland hinders the assimilation of sugar while the parathyrold giand favors the assumilatio, and that the para-thyroid ction i voring assimilation is greater than the thyroid action hindering it. H. B. Lorenza

Binsch Pathological Changes of the Thyroid Gland in Syphilis (Zer Frage der Schildrichenverin-derungen ber Syphins) Dimertation, Sc. Peterb 10 j By Zentralbi L d. ges. Che. z. L. Grennych

The thor investigated the morphological charges of the thyroid gland I congenital and ac-quired syphilis. T differentiat syphilitic changes the infi ence of other factors, especially of infectious chaceres, must be encluded. I the first charter the iron-hard strumitis first described by Riedel is mentioned and is considered probably not clinical entity but as d to syphilis or tuberculosis.

In the second chapter Busch gives short review i the investigations i thirty-si cases of sypholitic thyroids reported in the hierat re. Of these, filteen were carefully evanded. H concludes that there are two syphilitic processes that can occur i the thyroid gland the interstitial and the gummatous. In the remaining twenty-one cases the diagnosis was made or jamustibus. Of special interest are seven cases of definit Basedow's disease t which the more I all of these potassium uthor adds t iodkie was administered i large doses. It as well tolerated and caused permanent improvement not withstanding symptoms of hyperthyroldism and Kocher a warming not to employ iodine in gotter CLICK.

The author conclusions tabulated in chapter four are as follows. The verage weight of the thyroid gland of premature syphilitic feetuses was per cent greater than those of the control cases fall-term syphilitic children, bowever the weight was 366 per cent less. I premature as philinkchildren the inter and intralobular connective times bittle stronger. In adults with acmoired syphilis the interiobular connective these was more developed. The average size of the gland lobules nd follicles was larger in all syphilitic cases the that of the controls. In the premature cases the dark, firm colloid made its appearance earlier and was more frequent. Vacuolization was marked whereas in the controls it was entirely beent. In full term syphilitic children and in adults the dark colloid also occurred. V reolization, however as less marked than in the control cases. Cellular desquamation appeared more marked only in the premature syphilitie children. A pre-ciable difference was found in the size and form of the nucles of the following cotthelium. The number of fat droplets in the follicle cells was greater in syphilitic than in normal thyroids. The quantity of blood in the syphilitic gland was greater. The condition of the vessels was surprising. The changes which in other organs are considered as pathogomoni to syphilm occurred in the thyroid only exceptionally and then only to a slight degree. In all of the cases there were noted conglomerations of nuclei which must be considered as the anterestent stage of foillide. They are, therefore, more com mno in young than in old glands.

From all of these findings the conclusion must be drawn that changes of the thyroid gland in concestal, as well as in contred, syphiles are not in any wa specific. They are more quantitati thus malitative in paters. In consendtal symbilis the gland develops earlier colleid appears earlier in it follows, and fat appears in the follicle epithelium earlier and larger quantity that in the controls. The fere total changes i syphilitic glands naturally mut be quant tative in nature. In view of the microscopi cal findings, the function must begin very early Later it must be inferio t that I normal glands Extensive chemical and hamstological lavestigations must decide this Si microphotographs and twell

large tables accoming v the monograph. STRONGERS.

Erecks, A. The Effect of Thyroidectomy on Thyroid Affections (Der Einfam der Strandstone ul die Thyreogen) Danische Einer f Herenb o 3, abro-abru, Festische Strimpell, 137 By Zentralbi f. d. ses Chur I. Grennych By Zestralbl L d ges Char

Krecke asserts that from 50 to 60 per cent of his guiter patients have general disorders either of the nervous yetem, the circulatory system or of metabolism. These disturbances he designates as thyreoses and divides into three grades. Of the first grade are general disorders of metabolica accompanied by merely subjective feeling of palpitation. The second grade includes those cases with tachycardia and pulse beat up to 20 per min to, but without exophthalmos. The third rade includes cases that show the typical picture of

Basedow' disease.

thor calls attention to the occult thyroid desorders which are difficult to diagnose. For confirmation of the diagnosis be recommends the administration of iodine or thyrold gland tablets hich increase the thyroid symptoms. Kocher a

blood picture and the ineffectiveness of digitalis on the pulse also bein t confirm the diagnosis.

Of 87 patients operated po for gotter 54 had thyroid ymptoms. I 3 of these cases the symptoms were f the first degree in 7 of the second degree, and i 5 f the third degree. Later reports from 44 of these patients showed that 50 per cent recovered and 30 pe cent had improved \ \ \ \mail number were not beloed tall, or helped only slight ly It is probabl that these had nervous disturbances of some other origin that other d ct less glands ere involved. DR OF SOME THE

N tes on the P thology of Simpl Willson L. B and Exophthalmi Gotter Md Rec nter of a Ker 0 3 B) hang toymen & Obst lurch 173

This paper is review of the pathology I the thyrold glands remo ed from 203 patients in the Myo ch ic who presented sympt ms that ould ordinarily be diagnosed as exophthalmic gotter For purposes of control, the pathology i 585 thy rokis removed from patients whose conditio would ordinarily be diagnosed as simple so ter leo given.

The following classific tio f th histological conditions has been followed in these at dies

Embryonic (under loped) thyroid Normal (resting) thyroid

ш \ascular changes.

Henereme.

Hemorrhage (including resulting c)st (ormatio)

Inflammations Progressive changes

I Hypertrophy (functional, 1th hyper

emia) Hyperplasia (exophthalmic golter) 3. Adenomatoris (multiplication f acidi

without encapsulation) (f previously atrophic 4 Regeneratio parenchyma)

\'L. Retrogressive changes.

 Retention of secretion (colloid goiter) Atrophy (f parenchyma) 3. Degenerations.

a. Colloid (f parenchyma and stroma) b. Hyaline

c. Amylold

d. Calcareous. Cystic.

VII. Tumora.

Benlan

a. Fortal adenomata (neapsulated) Adult adenomata (encapsulated) 2. Malignant.

s. Mesothchomata.

b. Carcinomata

c. Sarcomata.

Much of the trouble in interpreting the pathology of the thyroid gland has come from the associated difficulty of definitely grouping the chnical symptoms. Recently however Plummer has sharply differentiated the toxic symptoms of golter into

clinical groups () toxic exophthalmic and () torde non-exophthalmic Plummer points out that beside sooner or later exhibiting the symptom of exophthalmos the cases f the first group are acute and in many respects resemble the symptoms of acute alcoholism, whill those of the second group re chronic and in many respects parallel the sympt ms associated with arteriosclerosis from chronic alcoholism. In this latter group are many cases so mildly or so berrantly t uc that clinicians in the past have frequently listed them as simple gotters. If mmer suggests that this latter term should be abandoned by the chnicia and the term no toxic substituted for it.

thor conclusions were as follows A detailed pathological study I fixed there

preparations of the thyroids removed from dults and the finding thereby of marked primary par enchymatous bypertrophy and hyperplasia permits the pathologist t diagnose exophthalmic golter th bove alacty five per cent ecuracy. At the sam time consideration f the data above men tioned ill permit him t estimat the stage of the lisease in about eighty per cent f the cases, and the severity of the disease in bo t seventy five per cent of the cases.

A similar tudy f thyrolds from adult patients and the finding thereby of no marked hypertrophy hyperplania, regeneration of parenchyma will permit the pathologist t diagnose son i zie golter with about seventy-five per cent accurac.

The most difficult cases to diagnose pathotogically are those of the clinical toxic non-exoph thalmi type. While these are ot hyperplastic, they may fall into any of the other above-mentioned groups. Our knowledge f these cases is still too acomplet to permit us t draw conclusions con cerning the details of their pathology

On the whole, it would appear that the pathologust has quit as much data for the estimation of the clinical symptoms of exophthalmic potter from th pathological dat that can be obtained from a study of the thyroid as he has to estimate the clinical symptoms f Bright disease from the pathological data that can be obtained from the study of the Lidoey

Rousey, G and Clunet, J Letions of the Thy rold in Basedow Disease (Lision do corps thy roade dans la maladie de Basedow). Res Actordo O L DEL By Journal de Chirurgia.

It is generally agreed that Basedow' disease is due to disturbance of the thyroid, and treatment is directed t the thyrold. There has been great differ ence of opinion, however as to just what conditio of the thyroid it is that cames the disease

Romay and Clunet report an histological study of ten thyroids from patients who presented Basedow syndrome. Three of these patients had true Basedow disease three guiter with secondary Basedowin changes and two thyroid cancer

presenting the Rasedow syndrome

It the five cases of true Basedow disease in young subjects in whom enophthalmon, tachy artifa and trembling appeared at the same time as diffuse hypertrophy of the thyroid the structure of the gland was found to be homogeneous throughout and property of the properties of the structure of the gland was found to be homogeneous throughout and trophy and production of cells which showed a tendency to become cylladrical and to form intra-actions repetations () the humens of the action server small filled ith chromophobic collord, and slightly or not at all retractfic () atmosphy of the troma and (a) in three cases out of five there were revenued as clear tenues.

I the three cases of gotter there excfound different types of the structure of simple gotters in different areas (cysto-alexanda, stimple collond gotter fut I poiter and gotter with small actual berginning and anced and calofied scleroid, and mymoil and colloid determention of the tromail. On examining

large number of sections however the uthors found f all three cases small areas which presented the hist logical picture of true Basedow's disease.

I the t cases of cancer ith the Basedow syndrome the cancer cell as cylindrical thyroid

cell, secreting ductile chromophobic colloid.

The authors therefore repart the thyroid picture in Basedow disease as characterized by profileration of cells, cylindro-cubical in form and and detile at harmophobic stat of the colloid. The presence of true lymphoid follicles in the stroma is frequent but not service.

I true Basedow disease these lesions extend throughout the gland in the golter ith secondary Basedowian hanges, they ernst in blands and in thyroid cancer presenting Basedow syndrome they

characterize the neoplastic changes.

The B eclowina structure may be been ed not only in this disease, but in cases of intense thyroid hyperplana, or rapid dividogment, such as octum in nimal here compressatory hypertrophy has

followed removal of nine-tenths of the thyroid fisse.
These conclusions agree with those of Rubers
Deval (4 — e.) in France of Wilson (59, case) in
the United St. ten of Zander (4 cases) in Germany
and of Kon bert as Steerland.

SURGERY OF THE CHEST

CREST WALL AND BREAST Plables G E. The Treatment of Recurrence

ad Metastases from Carcinoma of the Braist T Introd Corg Med Lond o s. Aug B harg Grace & Old This eport is based pon toch of fifteen cases

This eport is based pon toch of filters cases high have yielded good result from treatment. Ith Yays. The patient have remained. If from one t nine years.

I addition t the use of the X-ray, thyroid fract was prescribed in small doese, beginning a through the praise, not being gradually increased to one and half grains three times day. The difficient is that as result of the X-ray treat mest, the thyroid secretions are progressively distributed on descroad, that it has go when carrisoness develops, the thyroid secretion naturally tends t diminish.

The treatment described has seemed t norms: the nutritive powers of the body indit give better results than were obtained without thyroid extract.

The object f the article is t prove that even advanced cardinosa can be influenced by Vray therapy and that there should be no hesitation in ordering Vray treatment immediately after any operation for the removal of cardinosas of the briest, or t the latest, when courrence is noted.

The X-ray treatment must be thorough the

disease must be the led from an many different directions as possible and the all must be protected by filtration. Following these directions we may hope for better coult 1 the future.

G leke Penetrating I juries of the Chest and Abdomen Un proctnerate Brastandarchtauges Ind Et Cher 9 3 k, po. B Zeatzald (d ges Cher a. I Groupek

I penetrating ounds of the thora there are gre t deagnost difficulties in determining whether ntra abdominal injury also is present. The moutal ampt me such injury to mbiguous Muscular rigidit for vample is found in the beginning of most takings ffecting the loser thoracte region and the disphragm I would st the diaphragm that did not penetrate the pertoneum (suleke noted diffuse muscular delene. The retrogresson or arcrease in these phenomena is mor abable in cases hich can be observed for longer period of time. The pulse falls as a diagnostic alga in thoraco- belominal injuries, became injuries t the pleura ft produce vagus pulse (Sauer bruch Ralther) There is no certain pathogaomona sum of simult neons belomisal injury in penetrating ounds of the thorax. The disposit may be only ery probable from the character and nature of the injury Observation of from three to four hours is of some assistance.

I regard t the question as t whether a trus-

pleural operatio r a laparotomy should be per formed in such cases, Guicke believes on the basis of his experience that in large wounds the operation should be transpleural. After the opening in the disphragm is enlarged the injured abdominal viscers can be taken care of and the disphragm sutured. If injury to deeper or retroperitonesal organs is suspected, a laparotomy also should be performed. In narrow and small wound channels produced by a bullet or a fine instrument only laparotomy should be considered. Suturing the diaphragm is not necessary in such cases.

Live case reports given were as follows () Incised wound of thorax and bdomen with prolapse of the intestine isparotomy cure Thoraco-abdominal puncture, injury t omentum transpleural operation plus laparot my suture of disphragm, later rib resectio and pneumofixation because of pneumothorax peritonitis exitus (3) Percutaneous disphragmatic puncture thoracolaparotomy healing the puncture ran tangentially to the diaphragm at the rib insertion thout i jury t the petito eum. (4) Puncture of chest and abdomen, stomach punctured laparotomy peritonitis exitus. (5) Gunshot wound f thorax and abdomen wound of spicen laparotomy healing

SCHURACEER.

Kaster N. The Treatment of Fractures of the Clavicia (Zur Behauding des Schimselben-bruchen) Handen, mei Weissele 9 s. h., 500. By Zentralbi, f. d. gas Chr. u. [Geongeb.

For fractures of the clavicle Kaefer recommends a bandage which is applied as follows The affected shoulder is firmly pulled backward by one assistant and the elbow lifted upward by another. A cotton pad is then inserted in the axilla. The arm is pressed against the thorax, and held in this position firmly The fragment pieces must be a Il adapted t each The point of dislocation is covered with masthol. Upon this gauge pad is laid. A strip of game is then stretched over the pad. A shoulder piece of plaster f Paris, so cm long is then modelled around the shoulder and Desault bandage placed over the moist plaster cast. The twists of the bandage are kept from unwinding by masthol spread upo the skin. The plaster f P ris cast allows the Descult bandage t be applied very firmly and thus the whole dressing is given great stability. The sound shoulder remains free. In the third week, th bandage is taken. If and massage and exercise are began.

Drineke Scaphold Scapula (Zar Kenston der Scapula

scapbrides) Zischr f d Erferich Behandt d Jugradi, Schweck nur, o 3, 1, 468 By Zestralbi, f d ges Chir u. i Gerangeb The deformity of the shoulder-blade described frequently under the name of scapbold scapula has been found by Drassle in t so per cent of the cases of Hamburg school children and in 3 per cent of cases of children in the reform school Keilner found it even more frequently in idiots, so that it is doubtless a sign of degeneracy Congenital syphilis is not the sole factor (Graves) Other etiological factors are alcoholism, tuberculosis severe nervous disease of ancestors, and rickets. DUTCHER.

Believenes A Contribution to the Symptoms tology and Therapy of Thymna Hypertrophy (Em Betrag zur Symptomatologie und Therapie der Thymna-Hypertrophie) Links f Kimin inilk., 9 3 VII, 47

By Zentralbl. f. d. gas. Chir u. i. Gronageb.

A two-months old girl of healthy par ntage. For three weeks noisy respiration, vomiting, cyanosis, inspiratory stridor a rounded tumor in the jugulum voice free duliness under the manubri um with corresponding X-ray shad w Diagnosis Thymus hypertrophy with compression of the traches Operation Complet thymectomy Weight of thymns gland so g. Course Injury of softened traches by glass drain followed by severe bronchitis and tracheotomy Eighteen days after the operation, death from bronchopneumonia,

Case A boy one and a quarter months ld of sound parentage. Since birth, daily attacks if suffocation. Cyanonia inspiratory and expiratory stride duliness over the thymus, Diagnosis Thymus hypertrophy Operatio Resection of the thymus gland. Patient well after three to four months, with slight signs of rickets.

CASE 9 A girl, four and one half years old, of healthy family Since second week of life audible respirations, attacks of dyspaces and difficulty in taking utrition. Cyanosis, inspiratory and expiratory stridor \-ray treatment. I nine weeks seven V-ray exposures with a H

Of the physical methods, radioscopy and radiosc raphy are the most certain for demonstrating thy mus hyperplasia. Strido vestibularis, congenital stenoms of the traches, mediastical abscesses, and enlarged bronchial glands must be excluded. case of severe symptoms with asphyxia an immedi te partial thymectomy should be performed posably with resection of the sternum. In some cases healing is very gradual because the tracheal rings are soit. Tracheotomy should always be voided. Intubation gives only temporary relief I the intermittent forms of thymns hyperplasis, X ray treatments can be used, but ally under chalcal observation. At first the condition may become worse. I thyraus hyperplants on a syphilitic basis, specific treatment should be combined with beine baths, which give f vorable results.

TRACHEA AND LUNGS

Mouret, J. A New Position for Bron hoscopy and Geophigoscopy and Its Advantages over the Classic Position (Use nouvelle position pour bronchoscopie et cesophagoscopic et son avantago ur la position classique) Tr Internet. Cong. Med Load ory, Aug. By Surg. Gypec. & Obst.

As a position for bronchoscopy and esophagoscopy Mouret prefers to have the trunk and pelvis bent far lorward and the head atended. If the bronchorcupy is two-phagoscopy is the done inder local marthrida, the patient is easted actible a chair if inder general marthrida he has incroud hum position on his safe.

While in the 1s de position (Allian, Brainleys) the bits phary get 1 gie is opened from box, the bit does relified odplasted forcet the ion by Mourer method fit in terrel from below and the bacco recophage at gie 1 opened at the side ton the releval col min. The pel is a relification of the releval col min. The pel is a relification of the releval col min. The pel is a relification of the releval col min. The pel is a relification of the releval col min.

The position the thresh of pel 1 melined force 1 of the secral of tapes (.) The pasts t. In much keep pilot 1 position (.) The oper too 1 in much keep pilot 1 position (.) The oper too due too 1 found of the tube in ser because the op ratio due too 1 the period to the operation of the tube in ser because the operation of the tube in ser because the operation in being ser their deep services for the operation of
In the ha performed, in new brombon open of up hereogra, to this method in tumors. I drawn below 1 sec. I month to tell 1 to 1, hold may of the kneer than 1 to the has been seen and the track in the fast been using termile new of ph as 11 h errors of tengue to be set on the brunch of habiten fright or ne care of ge moder outsine sur-theria. If photographs the tree diagrammat brune represent girth different tens the operations rapic on

Lorenz, II E. Breachlogenic Carcinoma thas brink spine an anias. Re. Esia Ch. 1 n.

H Zernalliid ges Char Cennageb

embrookers Isan the arms theores I the mode of levelorment of lateral erv al to tole and to re-decreved liber to the on lades that he second bronchial left is responsible for the furm son of series of lateral fixtule and that therefore these should continue the called the bronchagena batule Not all lateral fistule box den all in the second left I umber according the bor see original from the thymophan geal duet However this is en a I've bronchingenic form tim it i not meconary t give these and I hat he separ t same rule would not use first appears in the neck below the 1 1 this could tion in incorrect diagnos is the ruk and the possibility of a brook hipgenic carcinoma is only rarely thought of

Lually meason made. This does not held and the patient rapidly of next incursibility for the form of the patient for the form and it the the patient for the p

exterior carotid and its branches which natural must be exected. Ligation of the laterior carotid often annot leo chied. At times resection of the vagus is espellent. Microscopically the tamor looks it carelnoma of the skin or phary trail success

The diagnost must be made by exclosion on the b u of the above of primary c removas in other places. The d d result diagnosts from carcinoms of the parotid or ubeass flary gland! by difficult to execute the control of the parotid or ubeass flary gland! by difficult to execute the control of the parotid or ubeass flary gland!

damast sy tumor oer donally slembies book m. The diagnosis lumo carchomor earners di alerram is J. I may also be cry difficult flustre tement of the set medity malfamia cooplane in the coop of rasheal estimation of the tense E. A. th. or operative pocochieries E. A. th. or operative pocochieries is J. orable Statistics compelled to see a proceded to the control of the cooperative control of the cooperative cooperative control of the cooperative c

Cl III 4. It it if I Operate and Spontanon Harmourhat of the Respiratory Principe
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lobe of the h puph nous conditions The thor sed the rattor spontaneous hemorthage rivotaxi ha morthage from the mouth nd nose in h morrhagic diathesis, id is broocker hun I mer see he used it for resection lunates bimocous resection of the septim navel put ps operations on the paral seroes t really tomics t i know all of these the result or en then il injected cubic centmark lut o bene th the skin or mto the quarter of hour before the opertion () E and af er the operation the harmorth age n light ad he as spare snuch spongs g and spage of the pose II perevers never yet ses in y be made idlet be w

HEART AND VASCULAR SYSTEM

The ther describes he case f man 6 years age he fell don at teps on his breast and rax

needle int the lit half of th thorax. The patient was brought t the clinic tonce. At that time he was pale and every movement of the bands caused pain. The needle could be felt in the second inter costal space. It moved up and down synchronously ith the pulse. Auscultation and percussion revesled nothing abnormal. The pulse was regulabut somewhat rapid.

The needle was removed under local appreshesia. The instant it was removed the patient ceased breathing and immediately afterward the pulse stopped. All possible restorati measures ere undertaken and at the end of twenty min tes the pulse could be felt rain. I fix minutes at stopped a second time but reappeared again in little while

This was repeated twice.

The author believes that the phenomena noted ere caused not by eedle prick of the heart it self but by a needle scrat h of the epicardium when the needle was withdrawn that stimulated the i hibitory apparatus of the heart. The same result be has produced experimentally I TO

Dean, G and Falconer A. W Primary Tumors of Valves of the Heart J Paint & Betand 9 3, and he was Surg Gypen & Obst

The authors report a case of tumor of the pulmonary valve, discovered at topsy in male. fifty three years of age who died of rupture of exculated aneurysm of the aorts. During hi there had been no clinical signs to suggest pulmonary valy disturbance. The tumor pedunculated the size of raspberry rose from the ventricular cusp of the pulmonary valve. Inch was otherwise entirely normal Microscopically the tumor consisted in part f mynomatous tissue and in part f hyanne connective tissue. It was covered by endothellum and was althout vessels. The thors collected. from the literature thirteen cases of heart valve tumor of similar structure three pulmonary three sortic, five tricuspid, and tw mitral. They discuss at some length the pathology I the growths and the varying views that have been expressed as to their neture. II B LOOKE

Delagentère, II Pericardiolysis in Certain Disease of the Heart or Supercardisc Thora cectomy (De la péncardiolve dans use estame affection cardique ou de la thoracectossie supéricardopus) Arch prov de Câse 9 3, xelt 3 7 By Journal de Cherergie.

Delagenière describes an operation that he calls pericardiolysis, and which consists in freeing th auterior surface of the perscardium by resecting the part of the thoracic all that covers the perseardium. This enables the heart t contract it its normal

rhythm and sweep even if there are adhesions between the heart and the pericardium. H retofore only limited resections had been performed, involing portions of the third, fourth, fifth, and even the sixth ribs where they came int relation with the pericardium. Only once had transverse sectio f th aternum been removed (Thornburn)

Among thirty-eight cases published there had been only one death from operation thirty-one suc cessful cases, and ai fallures. I all of the unsuccessful cases there wer valvular lesions. The lack of success may have been due to the fact that the operatio wa not extensive enough a did not alter the cardia action sufficiently

Delagemer describes his own case that f a woman twenty-cight years of age with cardiac lesson involving the right side of the heart as shown by cyanosis I the lower limbs and a true

venous pulse

Under chloroform aniesthesia a akin incision was med outlining flap which covered the whole precardiac region. A hole was bored in the lower end of the sternum and the skin incisio followed. The sternum, the cariflages, and left ribe, the sternum again bove, and the false ribs on the right were resected in succession. The flap was raised and detached from the pericardium and pleura. As soon as the flap was removed the heart bounded into the field of operation, and, striking on the upper intra-classicular notch of the sternum, caused asphysia. tion. Three more centimeters were removed. The heart then seemed t beat with less difficulty and resparation was normal. The patient was able to get up on the fifteenth day. Before the operation she could do nothing. She now does her daily work as charwoman and has evanosis or ordema. On inspection the rise and fall of the heart on pulsation can be easily seen. The pulse is 78 a d regular Arterial tension is normal

The author believes that all cases of dherent mediastino-pericarditis should be treated sur neally Often they follow purulent pleurisy and sometimes t bercular pleurlay I these cases almple resection of from at t nine centimeters of the fourth, fifth, and sixth ribs may suffice. In discrent pericarditis following acut pericarditis with or without valvula lesions, however only the extensive operation described by D lagenière frees the beart and great vessels completely Tals operation is indicated also in ill-defined cardiac disease 1th a fibout valvula lesions when there are

algua f stasis, a in involvement of th right heart. The case described belongs in this category tu years after the operation the patient expresses berself as delighted a th the result

GEORGE LARRY

SURGERY OF THE ABDOMEN

ABDOMINAL WALL AND PERFOREDLY

Petroll h N Experimental Contributions on the Subject of Abdominal Drainsise (Experimentile identity on France for Inachbothopirals age) Che artis Irlamana L alt. 5 By Zunrall 1 d gr. Che Genarch

The uthor has dealt with the question as to bether drainage t be or tampon introduced into the abdominal on ty is capable of guaranteeing rood drainage or bether the drain is t once npenlated and separated from the fire belominal rity by adhesion. His method of determining thu wa tollow \1 mpos or drunger t be was placed a th art half info ted periopeal cavity rabbit Mer me t d s Berli blue was ferted int the belominal t point (ar as possible from the ut of draining. The t be or tampon ere aref ll t bed If the colon e guarter del not 1974 the ourse of an bost the minul a Lifed bel an ent upperformed. The follow are result ore abt med i to hare sun animal rennerel I meurs id ed the asent ıt. housed her ausked pullatut abdom na from the free per timeal fter from ave t au houts of mile fire I im fifteen I I can for bouts the ferrich on the form so of adhenous ad the line he is growing properties of the MM I muon introduced into the infected period t en iben l be to al long ton al de 1 the the septu card) The lin of he h grieve was properties of he gause the server at himisal to just as progress the telt besited the olumns thad threed out of the outsil he t t the t moun and that the g us teelf and not also of the d ! Heat all that part of the tampun which as allowent t the mage of the bound wa of luck of nage The deeper turn of the s m pon a re unfounded i y auftersons and lay am 1 the belom and organs mucous foreign bodies. The concluse for pr t al surgery that t mpossible the the saidmoned governments at the certain region of the peritoneum but not so table for purposes of dramage. For the latter t is suffiery short I mpous lut the crest t atrocha Rubbet drai upe t bes fwested peritoneal u learr aithenous, but the tenestra ere trequent! occluded by the ntestance I the present of exudat the dye drained off even fire fiftees hours I the case of glass drates no isolating adhersome were noticed up t the fort eighth hour Petroff discovered that surrounding the drainage tabe th rause as practiced by many surgeous, purely see the suction power of the drain. On the other hand the introduction of gaure int the lumen of the tube f the game is frequently changed, is designated as rational, because I meresses the section. On the basis of these experiments the thor concludes that

drainage of the free peritoneal cavity is possible at least in the first forty-eight hours. The best drainage material is set a drains.

Allen, L. W. Hes-Appendicular Hernia of the Appendix. See Good & J. 1984, a. B. Surg. Gyace, E. Obst.

The author reviews the history and development of the pericareal folds and four i general and the anatomy and pathology of the ileo-appendicular fosts i particular with apectal reference; bernian of the appendix it the latter. The i o cases

tound in the internation he add in fourd. Morealism classification of the perioceal folds and fours: learn up the confirment of the perioceal folds are () the linecultier or asterior reasonal tolds () the accessory floorodic fold (i) the decomposition fold of (i) the monostrpendia or posterior viscular fold. The fours formed by there in 7 the floorodic fours () the accessory floorodic found of the decomposition formed by the results of the four floorodic found of the floorodic found formed form

is destribing the life-appendicular fold, Allen states that it contains murcle fibers. To these Luschla sender is origin. Moradian, on the other hand considers the de-appendicular fold (be both prescular and bases his view.

upon the mility ological development. The set appendix subspect () o pathological could sea, c.y. and hermals. The bersus are dependent upon the set of the opening the ammons of the edge. of the condition of the latest new rith a sholoming) necessary.

Von Wistinghausen Retrugrade Incarderation of he I resti | Herail Uber retrograde Damerablesamung bei Ern ben Dentale Ziele /

Chargo ta, By Zenttalful t d gran Chur Grenngeb

Sos M off declared that retrograde becar eration as possible only organs that end blindly such, for tample as the mounts, and that there is no possibility of retrograde dislocation of the intest nal coll as the reach of the mescriters purpose course perpendicular to the long axis of the board and do not pass the bernial sac. This has Lern shown t be erropeum. I retrograde locar eration, as as ell known, the outgoing ad lacomung loops of be el are caught the hernial sac. hile the portion of stest no that connects the t loops, the so-called middle piece has free in the beloralizal on my There to three possibilities for the development of retrograde locurceration The retransigration of the middle piece as it is forced back in the reposition, or the entrance of t more intestinal loops int the heraial sac either singultaneously or successively bereby the mobile pacer remains in the bidomes. There are cases

hich the colls lying in the hernful sac are healthy and without constrictions, while the middle piece is gangrenous. In other cases the hernial foops may be slightly or severely injured, with moderate to severe damage to the middle loop. Finally there may be gangrene of all of the loops or ma ked altera tions in the kernial loops, with slight or no injury of the mid piece. The mesentery of the mid-piece may not be incarcerated, while the latter is com pletely gangrenous, or the mesentery may show visible alteration, even though it lies quietly i the daver abdominal cavity Experiments on the in e shown that in such incarcerations the midpiece if distended with gas, becomes sharply kinked whereby a constricting ring forms the mesentery (Zugarkade) In this sharp angle the vessels bec me kniked and nutritional disturbances to the atestine result. The author however was not ble t make the same findings. Experiments in the intestine of dogs she ed that gangrene occurred ally when the mesentery of the middle part was drahernial opening. In spate of the bjectso that a cannot be assumed that there is nough spac in the hernial openi g for the intestine to push i t the abdominal cavity slongshi of an acareerated loop, etc., the uthor believes that kn tille f board, even though very small forces t way amed the loops through the bernial opening as result is peristant. The resulting distension produces traction, which continually draws new intertine into the abdominal cavity whereby the mesenters remains at first in the hernial sac ad alv the parts that are ext to the intestine enter the abdominal cavity. At times as result of high grade tympanites the whole mesentery may be pulled out of the hernial opening. The the does not consider as retrograde incarceratio the prolapse f ta intestinal loops i hich the connect ag loop is not injured materially. I cases in hi h retrograde incurrenation or herms duplex is suspect ed, he warms gainst attempt t repositio

Laplace E. Thrombosl of the Mesentery T Intrast. Cong. Med. Lond. 9.3 B. Surg. Gync. & Obst.

Thrombosh of the mesentery with its necessarial which symptoms is due to an infection. Inche results in a thickening of the mesantery and its blood results followed by thromboshs and gangrees of the gain. The infection may be local or may have

spread from neighborns focus production in Infection of the febrille or afebrille type is also accountable for the various forms of publicults which focus about the extremal like vom and result in the "distances post-operative orderns of the extremal side on the distance of the extremal focus on the distance of the extremal focus on the distance of the extremal focus of the distance of the extremal focus of the ext

The afebrile type of infectio may likewise be responsible for such thrombosis hich when finally loosened, results eventually in paimocary embolism. In order to guard against this subtle form of infection in post-operative treatment of all bdominal cases, a 500 solutio of citric acid in water abould be administered by th. Murphy rectal drip method as a prophylactic.

GASTRO-INTESTINAL TRACT

Holland C. T A Method of Obtaining a Radiograph of the Stomach t Any Particular Phase of Its Contraction. Ark Resig Rey 9, 3, xvil, 98 By Surg Gyore, & Obst.

In single paragraph is described practical method of beating radiograph of the stomach at any desired phase of its cycle. The phase desired is found by disconcept colservation. By this method also is obtained the moter of seconds required for the tomach to complet its cycle which is usually treatily. By observing stop-writch that is started any phase we may determine exactly just when the radiograph if that phase should be taken, as it will return at any multible of treative seconds.

HOLLS E. POTTAL

Georgi A. W The Positive V lie of the Rontgen M thod in the Diagnosis of Gastric and Duodenni Lesions. I Am Rosty Ray See Boston 9 s. Oct By Surg Grace & Obst.

The positive or exact method from gen diagnosis of duodenal ulter depents pon the adequat demonstration on plates of the anatomical condition of the duodenum. This is opposed to the method of diagnosis by "symptom-complexes to thereased participations, typermothity guarification, relaxed prioring, etc. These complexes are only laderential in their evidence, and never positional conditions of the desired prioring the confidence of the property of the complexes are only laderential in their evidence, and never positions.

Ninety five per cent of duodenal ulcers occur in the first portion of the duodenum.

j The first portio of the duodenum is ana tomorally constant entity Germain examined the duodenum of four handred cadavers and found the first portio always constant in shape, contour and general characteristics, unless actually diseased.
4. If the first portion of the duodenum is normal

ft can be demonstrated by the binnuth method group plate. It will be seen as on with a charactersite shape and smooth outline. In every normal case it can always be dem natured upon plates by some some one of the three positions—prope building, site lateral. There is a caception to this description of the case of the case of the case technique, and especially not no much reliance upon the flevoccopical examination.

5. The courtant presence upon series of plates of constant defect or abnormality in the cap mean positively a pathological condition in the deodenum. This may be due to indurated ulear adhesions, pall-bladder dueane, spaam, etc., which require a differential diagnosis. 6. Every duodenal ulcer which is more than a simple murcus membrane crosson will deform the co tour of the bism to mass in the cap. This deformity is du not t the mirute murcosal defect, but to the much larger callus which involves the submurcosal and muscular costs.

7 Th demonstration of a normal duodenal cap upon plat definitely rules out the possibility of indurated or surgical duodenal ulcer

O tland, J. H. Skinner E. H., and Clendening, L. A Study of the Machin lam of the Stomach after Control Interested by Names of the X Ray Surg Grace & One, 9, 1, 25, 11, 15 B) Surg, Gyace & One,

The thorn studied the physiology and mechan im I dispatible by means if the flaorencope and the N m J in all patients upon whom pastro-enterostomy, had been per insect. They attempted the determine in particular whether after gastro-enterostomy the food lies at the amount by my of the priors or the food lies at the amount by my of the priors or the food lies are the amount by my of the priors or the food lies are the amount by my of the priors of the food lies are the amount by the prior of the prior that the prior of the prior of the prior of the prior of the lies of the prior the overality. Lead been newformed,

In all cases it as found that the storacth was drained by the gastro-entrovious gaons. In four the food left by the gastro-enterostomy opening exclusively and in two by both the storac and the priprises. The rate of emptying was reduced.

The conclusions drawn from this study are as follows () Gustro-enterostomy performed proper ly is drainage operation. () After gastroenterostomy if the stome is t the lowest part of the st much in the erect position, the food leaves the stomach almost exclusively by the gastroenterestomy opening. (3) Under these conditions the stomach is emptied very rapidly (4) Gastroenterostomy should be performed only in cases of pyloric stemous or pyloric spesss due t duodenal or gastric ulcer (s) The gastro-enterestomy opening should be large and placed as close as possible to the pyloric antrum (6) When the mastro-enterostomy opening does not quit drain the stomach, the food leaves by way of both the stoms and the pylorus. E en in these cases, however the stomach empties itself more rapidly than the normal stomach. (7) Clinical failures after matro enterostomy are dos probably t faulty implentation of the stome.

Col. L. G. Diagnosis and Differential Diagnosis of Gastro-Duodenal Lerions. T. Am. Fines Rey Suc., Boston. 9 5. Oct. By Surg., Gyace. & Otst.

Cole claimed that by making several series of rontegeograms of the stomach with the patient in the prone creet and lateral positions at various intervals after the linguishos of himmth and burst milk, he can make positive or negative diagnosis and general called informated other collections of the general called information due to observation is suscitated with adhesions, he can detect the evidences of the adhesions. His remarks were largely extracts from petroleus communications based on personal experience in 586 cases. He demonstrated the appearance of the mornal case (pilleus ventriculi) and described the physiology of the pylorus as observed rout remonopolily and used these normal cases as controls to show the difference between extensive tools to show the difference between extensive

malignant and non-endignant lexions of the someth-II recognized his inability to differentiat be twen early careforous and indurated partic userbut stated that in these cases surpical procedurs is indicated repartless of bether the clinical history corroborated the rontegnological infinings, and that the fells should be considered sustignant until proves otherwise by microtropical examination of the specimen after its removal. In such case the surgeon does not know whether he has curred an early carebonne or prevented ne until be received the pathological report.

Carcinomas too extensive for removal are readily recognized, and unnecessary surgical pencedure analy be prevented. Such cases do not require a long

series of rhot genograms.

This commission centered around the negative and positive disposals of doodenal ulere or as the author preferred to call it, post-poince lacer Cole stated that if mugle rong-morphan out of an aboved symmetrical cap corresponding is contour with the para priorica, and if the pylodisphineter was dear-cut and functionated in a normal mannet (personally disorded) we re-justified and mannet (personally disorded) we re-justified to be contracted to the contract of the contoning per part of both corner in this portion of the three.

The positive diagnost of theoleral uter or etterally adhesion from choleralitis may be made with remarkable accuracy. Uters with chartmost contractions any not always the differentiated from the extensive affections usually accompanying choleraphia. This differentiation, however is of choleraphia. This differentiation, however is of in either condition surgery as indicated if the symptoms re spiffereally characteristic.

The other recognized spannods: contraction of the cap and prioran caused by issions to ther politis in the bolomen, particularly those to the roar the exercised multiple in the Busin, possible, notific occum, etc.) and stated that care should be exercised to viol mistating these spannodic contractions for organic knoons. Sometimes confrontancy sense of routprongrams after the adminstration of behindown in necessary to differentiate between spannodic and organic ledons of the

cap or pylorus
I cooclosion Cole stated that by studying individually and collectively a large series of rost genograms and matching them over each other one can make diagnosty of early carciaoma of the par pylorkos, hogy the storach, and duodenal tileer will, and along coroll that by the control of the control of the corollection of the coroll

The discussion centered around the expense necessitated by serial rotategography and the relain value of rontgenoscopy and serial outgenous raphy. The way in which serial outgenous raphy can be employed among the muses: is the sum in kith surgery is employed each patient pay ug scording to his means.

actioning to in internal profiles, was that me should be saide of both that where a positive diagnosts of both that where a positive diagnost of the profiles
Pitie, A. H. Indications Aforded by X Rays for and against Operations in Diseases of th Momach and the Results of Such Operations. I Am Ross Ray See Boston, 9, 2 Oct By Surg Grace & Obst

The whor gave his experience I cases which a diagnosis had been established or confirmed b routen rays in diseases of the stemach, and effect the results obtained by surgical and mechesi treat west. It reviewed the f lowing subject

t. Chrosle gastric uleer Sikka were shown Instrating the theer filled with bartum mightle and with the bubble of gas above the uleer. To allote from oth the uleer filled with bartum when the rest of the stomach had been emptied. Prine drocated the filled with the uleer by trips band I fasch with the stomach that the stomach bastronosing the jejnamn to the lowest part of the crudes end if the stomach.

2. Acut gastric ulcer indicated by spasm opposte the ulcer nd gastric stass. Operatio was

not resorted t in such cases.

 Early carcinoma. The thor described cases in which carcinoma had not been uspected on cilin cal grounds but unremovable carcinomas were found

by rontgenograms.

4 Late carcinoma shown by \rays t be irremovable.

 Cardiac stenosis, mistaken for pylonic stenosis prior t. X-ray examination.

 Prioric stenosis, when due to duodenal ulcer does not abow finger like indentations such as are present hen it is due t carcinoma.

7 Gastroptoris. The patient symptoms were here there do by operation and elevation f the stomach The uther advocated gastro enter salony as in all cases in which the food escaped quickly from the stomach be found that the st m ach was mail and high.

 Tamors pressing upon the tomach. Sides were shown of distortions of the stomach by puncreatic cyst and enlarged spicen.

9 Mhesions bout the stomach and pressure by the section of the stomach and pressure by

o. \ormal stomachs, pronounced normal by \ray examination and found so t operation.

Price believes that the rontgenologist should advise the patient not only for or against operation but also in regard to diet and times for eating.

Henle, A. Experiences in th Surgical Treatment of Bentjan Affections of the Stomach and Duodenum (Irakampen bei chirarpache Behandhung runarnger Affektionen der Magens und Duodenums) * Irakam! & Gesellich. Arsinder Valer! Ars. 9 s. 18. 44

B Zentralbi f. d ges. Chir z. i. Grenzgeb, Two cases of tuberculous duodenal stenosis were

Two cases of suberraious deodenal stenosis were healed by garter-enterostomy as the liling's closure fitten form. I both cases the mitge examination falled maximuch as it showed in the one case only pyloric stenosis and in the therap plotic and a high grade duodenal stenosis. In ten cases of typical uters [th duodenal myloric exclusion of the duodenal stenosis.]

th separatio of the stomach was performed with eight cures. In the cases, ulcer symptoms i. e. hemorrhages, responsed after the operation. In the one these were transit ry the other a second laporat my had to be performed five and a half A kink and stenosis of the small intesveers let tm by adhesions were found 5 cm below the gastro-enterostomy and a picer in the latter which required resection and new gastro-enterestomy Exitus The post-mortem examination showed complet cicatrization of the old ticer and an atrophy of the various typical gastine glands in the excluded portion I the st much removed by the resection. I pyloric exclusio the stomach may be severed in the prepylori part. I this region the operation can be performed much more easily and without fear that the moisted portion of the stomach Ill continue t produce bydrochloric acid which would keep the duodenal ulcer open. Possibly recurrences observed soon after operation are on t temporary continuation I the hydrochlone acid secretion.

Henhe has occasionally attempted exclusion also manifold exect of the pytoms. This he has doe in twenty four cases, in which there were only four deaths. Two of the deaths, he ever were not as enablished the operation. Simple gastro-enterostomy has performed 1 bening spatic affections fifty times with only three deaths. Among these were specific three periods of the period of t

mlyt cases this ledt the development of peptid user Peptid user occurred also in one of the two cases I anterior gail o-enterestomy direquired repeated operations for a care. The author has never ttempted, brainweise resection in bedign gains effections, but has mad weign-shaped resections. To the form the received in the cases each. To of the former patients died and all of the latter were cared.

The uthor concludes that in gastric diseases that are undoubtedly benign the operations abould be those that give the most favorable prognosis.

In the discussion following Henle's paper Schmisden stated that simple ligation with additional sutures over the pylorus lead again later t permen bility, that the radiological diagnosis of diodenal ulter is difficult and that peptic ulter occurs almost exclusively in anterior gastro-enterestomy In hour glass stomach transverse resection is indicated. In solltary tilcers far from the pylorus s simple gestro-enterorioury is insufficient. Roenke ecommended in pyloric exclusion, the separatio of the stomach rather far proximally. He prefers a transverse rather than a partial resection. In post-operative harmorrhage h has employed sucresal ily the injection of so cem, of diphtheria serum with the addition of one injection of secucor nin. Dreesmann has determined experimentally that a thread tightly knotted around the pylorus gives permanent closure. Exceed ulcers of the lesser curvature he sutures (a longitudinal direc tion thereby avoiding a kinking of the stomach.

BRINTANO

Einhorn, M. Indications for Duodenal Alimen tation (Indicationer for des Duodenalemateungmethode) Desirch well (Februshi), renz, 1441 By Zentralhi I d ges Chir Grengwo

By duodenal feeding is understood the triting of patient while the stream's mentale empty. Thus is made possible by introducing int the stream's meall where the tream's result where the curient the diodenium. In a normal person it requires from two t. three hours for the beginning of the sound to such the doodenium. I patients with phierospain longer time observed by Enhort. Normalizent a given time observed by Enhort. Normalizent a given could be a such that the control of the con

The nution t first used an irregator to nject the tritise fluid but now then syrings with a triple atoproch. As test i determine whether the sound has resched it describent, the find a sectiod up out: the sound is the triple at the sound is stated up out to the sound in the sound is stated as the sound is sufficient to the stated of the sound is sufficient to the discontinuity is stated in the sound is sufficient to the discontinuity in sout if the contract dead should sirely be given by south if made to the sound in the surface of the sound in the surface through the sound in the contract of the surface and should sirely be given by south if made is the surface of the surface in the surface in the surface is sufficient to the food Eusborn Introd resident on the food Eusborn Introd resident one surface is sufficient and surface in the surface is sufficient to the food Eusborn Introd resident one surface is sufficient as the surface in the surface is sufficient to the food Eusborn Introd resident one surface is sufficient to the food Eusborn Introd resident one surface in the surface is sufficient to the food Eusborn Introd resident one surface in the surface is sufficient to the food Eusborn Introd resident one surface in the surfa

I the list three of a ball year the author has used doublead silurectation in eighty-four petients, in each on an wrage firement influencing the includence of the method of treatment are (1) Uncertained of the storaged and doubleages (1) particularly of the storaged and doubleages (2) perform woulding and the woulding of personancy, (a) discussed the firer to limit the shoot supply to the

portal vein and (3) inoperable carcinoms of the stomach and cardia without stenosis. Kora

Faterson II J The Physiology of Gastro-Jefunostomy T Internet, Cong Med., Load 1913, Aug. By Surg., Oyner, & Obst.

The prevailing view is that gastro-lejunostomy is drainage operation. Paterson gives reasons up it should be regarded as physiological operation. BBe and pancreatic juice are present in the store

ach almost invariably after gastro-jejanostomy. The evidence of this is, that there is an almost constant increase in the mineral chlorides of the gastric contents after gastro-jejanostomy (99 per cent of the author's easen).

This occurs although there is, as rule (ysper cent of the uthor's cases) diminution of the total chlorides.

After undoing gastro-lejunostomy this increase in the mineral chlordes despocars again.

Illustrative case N gestric analysis. Before gastro-letanostorey Total chlorides 420 Free HCL Protein HC Mineral chlerades After gastro-jejunostumy Total chlorides 165 Pres RCI 900 Protess HCl 52 Mineral chiurides After the gastro-jepunostomy was undone.

Total cflorides
F or RCI
Protein HCI
Mineral chlorides
If an exterio anastomous as performed as ell as matrio relimostiony thus increase in the mineral

chlorida is not observed

Illustrative case Vo. gustric nalvels.

Before gustro-lejunostomy
Total chlorides 335
Free HCI 903
Protch HCI 903
Mineral chlorides 35
After gastro-lejunostomy and entero anastomostic
Total chlorides 9 59

Free HCl 2000
Protein HCl 200
Protein HCl 200
Ithin increase in the mineral chlurides does not

occur as rule after other operations, s.g. after appendicectomy. Therefore the inference is that it is due to the entrance of bits and pararrests faffer int the atomach through the anextemetic opening. The verage increase in the mineral chlorides.

in the other cases as ony per cent.

Bits and pancreate judes contain about o.s per cent of sodium chloride therefore, after gastro-femostomy the gastric contents contain less than on per cent of bits and peacreate lyite, the another contents of the special peacreate levels.

of bile being less than 5 per cont

Effect of gastro-lehtmostomy in gastric secre tion. The total acidity is lowered the average diminution being 30 per cent. This is due partly to neutralisation by bile and pancreatic juice and

partly t diminished secretion

Effect of gastro-jejunostomy on the motality of the stomach. In the absence of pyloric stenosis gastro-leinno-tomy slightly hustens evacuation f the stomach but the acceleration is not sufficient to account for the beneficial effect. I the operation This is against the view that gastro-lejunost my is a

drainage operation. Effect of gastro-le innostromy on gastric digestion Gastrie digestion is impaired but not lost after

gastro-je functiony. The impairment seems the due to loss of free hydrochloric cid.

A report is given of observations mad upon patients that were placed upon Schmidt diet after gastro-jejunostomy and of observations obtained with the red carmine fibrin test

Effect of gastro-jejunostomy on metabolism of human body. Gastro-jejunostomy has no material effect on the metabolism of the buman body investigations of II riev and Goodbody on the met bolism of health; and; al als ga e the follow ing results

Per Lout of Intaka

Highest absorption f oftroge 97 Lowest beorption of nitrogen 90 Average (75 cares) 1 46 Highest absorption of (t 05 1 Lowest absorption of fat 90 A stage (o cases) 95 5

In twelve patients on hom gastro-jejunostom had been performed, the athor found that in every instance the amount of sitrogen and fit beorbed

were ithis these Emits. Conclamons

L A certain amount (less than per ent) of bile and pancreatic juice enters the tomach fter

pastro-jejmontomy
2. The total cicity f the gratric content is dimhalshed, on an a rerage by 50 per cent. Thus a due partly t neutralisatio f free hydrochloric acid by bile and pancreatic jusce and partly t turller stimulation of the pancreatic secretio and compensatory earlier lessening f the gustric secr tion.

bastric digestion is impaired but not lost

aiter gratto-jejunostomy 4. The mothery f th t mach if ther be no prioric stepouls, is for practical purposes unaffected by pastro-jejunostomy

5 Gastro-Jejunostomy has o material effect on the absorption of nitrogen and fat. This chemicopathological evidence is supported by the evidence olidizateal experience.

The author concludes that gastro-jejunostomy is a physiological, and not a mechanical operation Probably the most important result f this opera tion is that bile and pancreatic juice in small quan thy gain entrance to the stomach.

Practical lessons

Occlusion of the pylorus is an enecessary complication of gastro-je unostomy

Excision of simple ulcers is unnecessary if

gastro-jejunostomy be a physiological operation. The view that malignant degeneration of gastric ulcera is frequent after gastro-jejunostomy is contrary to clinical experience.

Eastma J R Fostal Peritonent Fold and Thei Relation t Postnatal Chronic and Acut Occlusions of the Letter J. J. 4m. If Att. 913, lif, 635.
By Surg. Gypec. & Obst.

thor describes several peritonnal fortal fold of I lrly constant form and distributio show their latent possibilities in regard to occl. sions

of the large and small intestine,

The position and stachments of certain of these I kis suggest that they may be causative factors in gravitations and agulations of the terminal Beum. The genito-mesenteric fold f Reid which panes from the mesentery I the terminal Beum down into th privis to th genital gland, for example bean an interesting resemblance t th Beopelvic band in the d it high Lane believes is one of the chief canara f a downward Link in the ileum.

As Reid fold is continuous above with the duodenotenal ligament it is possible that, by c ntract ing it may cause a upward kinking of the terminal sleum. This may be tru also I the rather constant deocolic (lds ad the so-tailed root folds.

The other found Reld fold in fourteen of thirty to fortuses and also in the adult. He sur gest that Lane s Reopelvic band nd Read fold re identical and that t may have been formed by the dragging down of the dornal peritoneum in the descent of the right 'ary or testis.

In regard t the bloodless fold of T even, Eastman atates that there is considerable evidence t show that thus fold begins as adhesion between the ceral head and the mural peritoneum and that t the time forcal torsion the serosa of the peritoneum I the lateral bdominal wall is drawn over the caput to form pocket-like form containing the caput and the ppendix. The pericolic f ki is formed by similar fusion and torsion at a higher level f the ascending colon

Another rather common fold that may blod down the crecum and the appendix is described as being f a skirt-like form. It passes from the terminal fleum bove, downw rds around the basal half of the ppendix, and then upwards to inblend with the scross of the caput.

The dhesions of the colon t the peritoneum of its own mesentery also are believed to be persistent fortal adhesions.

The article is closed with the report fith a thor' ease in which an extensive formation of perforcal membrane led t an acute nd complet obstruction of the scending colon. The division of the men brane resulted in recovery PRILLING M. CRARE.

S mmera, J. L. Surgical Aspect f Intestinal Stants from an Austomic Pet t of View J. 4m. U. 10. p. j. ici, 650

The a thor con bades from his preserve that the membranes of the percents type of J closes may be found in every bloomen enter the thorn the right of the in the loss of the found in every bloomen enter the right of the interest of the right of the percentage of the right of the percentage of the right o

become offensive carl they should be considered conjent al defect the same as a left palat or extra toes. They may also become restrict in stead of order t on my t on total disous of toes. While he care man do don't fit result my low of toes. While he care my proportions a not be relieved by t them it the case should be come sures as

The operation of M aprofit and I recommendation re discussed therefrence t eight cases operated post by the thore Summers are mend also it be prosent of the transverse colors to

technique of Coffey

628

terningies of cutter.

The property of the congenial membranes when they are retrinstive A rule this should be done at their loosed line of trackment 1 other cover that require reveate midality of the olen bowner it hould be done at the line of trachment of the personal membranes and gunrent personal membranes are gunrent personal trackment in made on the views it he direction of the first and blood reverts.

Putters 10 courses

Teleomical I A. Inflamentory Directicule of the Appendi Let Fage der esteindhehen Daertikel des Utrafischstatten I rank Gr. 9 t. tz. 6 j. By Zeotrafic I d. gas. Chr. . isrenneb

The athor reports ses I hish d he appendicestom there are found t pacal d erticulalishe pounds, formed from the microus membrane that bulged through defect I the microularis I

one case the art of the perfora um of the d verta hum could be demonstrated the other the mu coss we marked trouble nd thus The wall of the ppendi sho ed ery nearled afaminatory tha ges I both cuses increased tra ppen dicala pressure as ad ted to one case the lumes issecred of belog slit by as plainly dileted and the whole murous was thensed another case there as extensive trophy of the mucota. Uter searching examination of the I terat re nd the basis of his own observations the thor assumes that the diverticula the give cases developed from an inflammatory basis as the result of curromscribed ledon of the muscula wall and additional increased pressure in the appendix. If regular directicula as of considerable clinical arguificance because there can readily be retained a there muchs and bacterie hich may cause a recurrent cote i fammatory process, and further because directions tend i perforation. Intailly the thor point out the fact that pseudomyzoma of the perfit seum may be caused not only by rupt re of ovarian costs, as formerly imposed, but also by rupture of cysts and diversit do a let aspeculic.

Rbet W. The Operative Treatment of M its is Discusse of the Larg 1 testion, Each of I g the Rectum the operan Behanding on maken to buildings the the Complete M to the Complete of Rectum 1 Interest Cong Mid Lond 9 3 bag.

The a thor based his paper pon his own material, 54 cases in all and the reports that have been published in the interstant since one.

promotion to the internation time con.

The mornality of the radic longeration is utill
quit considerable most ting t 757 cases I the
literat I or 3 sper cent. The 83 radical opera
tions performed to Kort since occurred
mornality I 30 per cent. The mortality figures of

the last decade show some hat better results.

The particular dangers arise from collapse and protoants, and t times are a sed by the peculiar anatomical conditions of the large intestine and the

difficulties that the from the intestinal contents, best orchance of the tenture is very frequent complication of 4 mor of the large intestine occur, distance is per cent of the care. I that condition the tempt must first be made t extensite interville (raccolory or tolorapsy) The rading operation should be accordary (several

stage operation; for evaluation of the he els, good blood simple of the extremities of the intendae and the possibility of puro threating them without steet thing them reposition of auture as one stage.

is the best procedure

The roan nationard conditions of the different part of the large intensities demand corresponding different nethods of operation. The proposals for primate or rare, case of cardiacons of the large intensities in relatively favorable. Not report, curse lazing from three years, it tentivotes years in 27 per ent of the case of radical operations or in per cent of the cases of radical operations or in per cent of the northern

Of the pullative operations antero-assistance is the Leat method is the baser of interested sections of Coutom or obselvents to the last method for uses of interional observations. Radical operations (unlections) or catero assistances in method in control of the secondary and about the performent only after the satisface has been executed.

Case J T V Ray Observations as Colonic Paristalsis and Antiporietable with Special Reference he Herocolic Valve T Introd. Cong Mal Lond 1, bug

By Surg Gyeen, & Obst.

The uthor bases his study on the examination of soo cases following the ingestion of bismuth need.

tulipristable has observed in thirty-seven. In most instance, til-peristalite were original in the instance code near the bepatite flevine proceed instant the course and disapper smally is proceed that corresponds approximated in these temporal practices. Unifortialists has been seen has the descending colon, e-pecually in any of him of disapper seen to the control of the boxet.

continuous or the continuous the present of at the continuous or the tight of the present of at the contra too ring, the tight dial of the transverse colo as cla med la t so on the back of res lt bit led purime t on admials. The exact locatio of the town rig res lib the toolcity f the pro lim l k b t t woully at a polat res a the muddle of the right h li

of the transverse colon

The writer and call tention to phen more that has been personal dear, held 1 hm sign of serious boxed obstruction, u. e. led 1 persials. It has noted exagere 1 d. then 1 hm series case of carcinoma of the ofon that he has taided. I seek him to cert to carrel in all just of the colon. It has been no optical board of the colon. It has been no optical board has been not considered to be the board. Also in every case culted by his the board. Also in every case culted by his the tributal board and the every case culted by his the tributal by the colon the left by the colon the colon that the colon the colon that the colon the colon that t

of the colon after the operation Case studied he mass perist his o Ihou were first described by Holeknecht who eported observations. Duri g th. la t sixteen month the author has noted increment if this tipe in thirty-seven patients. The how I content suddenly lost their haustral markings and wer formed t an ovold sausage shaped mass which had perfectly smooth edges and was rounded t the ends mass tracked slowly tabout to the peristable w ves in the t ma h. The distance tra ersed varied from three or f ur mehes t sever i fret. After coming t rest, the mas reguled t haustral markings. The time f their reappearance depended upon the consistency of the bo el con tents, being brief if the content were seen foud and longer if they were of hirmer onsistency

The effects of massage, mechanical boraton and extricial timiquition to permission of the colon ere also studied in a number fease. The mun shall effects heaved a cree deepening if the effects are considered as the confidered of an experimental to the confidered of an experimental times and the confidered of an experimental times and the confidered of
Special attention was gi en t the study if the traction of the Roccolic valve on the theory that our present knowledge of the superstative function of the colon demands all the more recognition if the

normal competency of the Beccole raire. In the 500 cases above referred t Incompetency of the Beccole valve was noted in nearly 350 instances, or once m six. Such a large proportion of Incompetent Beccole valves is splained by th ct that th 500 cases were gastro-i textinal cases a bmitted for hum the-neal tudy

The thor at tes that the old idea that innut it entry of the licecoil valve rause diarrhors is erroneous. I most cause of insufficiency of the ab. the opposite condition, i.e. constitution, prevailed. The fact that fired statis and constitution rather than hypermolithy is oded who refur from the colon it to be turn is longer pervented be competent ideocolic when is explained by our thousarding faulty-insufficient per mean it he colon.

While the generally recognized that rectal ahmen the no the whole manufactory there are nough see which thus been successful to ret the cott us coof it.

Korbi II Continence of th Bowel fire Radical Operation for Carrelmona 1 th Rectum (Die Kontinens erbalinise nach den nedizien Operationca den Masidarmireben) Arch I His Chir 9, 440 By Zentzhild i der Chir 1, Grenzeb.

korbl discusses o tinence if the bowel on the bass of data collected in two hundred and four ases of uniquinon of the rect in in von Eiselsberg's linit. If divides these cases as follows

I Cases in which the sphingter was accrificed. I one plantic operatio crording t Schoemaker as attempted t f rm new sphingter. The coult seemed good t first but t the end of tw years there was acontinence for liquid tools. 3 Anus sacralis cording a Hochenegy le deflection of the bo It the right and fixatio beneath the resecret sacrum. Only iter six months, and usually fter a longer period d disensationalo ly ret rn. and t mys ement consumed an equal period of time. With the nervess g sensibility the patient could tell benthere ast be movement At the same t m an mpulla usually developed. Among the thirty cases which the late results ere studied there were eight in which sensibility had been lost permanently. These were almost althout excentio cases I which as the result of gangrene, there had occurred retractio I the ocal end of the gut followed by healing by gra ulation tissue. These patients did not have premoultio and therefore uffered incontinence I sixteen cases sensibility was restored and ther was no incontinence for formed stools. On ell regulated diet about one half of these patients were quite comf rtable. c. Anna sacrains according t Gersuny with late results in seventeen cases. U til the end of a year the spiral formation could be easily felt, and although nly slight sensibility had eturned premonitio was present and there was no inco tinence for formed stnols. After to t three years the spiral formatio was present only i few cases. I the others, cir cula folds and ampulle had taken its place. Sensi

bility was anally restored in all cases and there was premonition for movements. Of ten cases examined after period of three years only one showed the spiral formation, with no incontinence t speak of even of Louid faces. Seven had well-developed folds and ampulle Sensibility and premountion were fully restored for formed stools. For the restoration of these two functions Gersuny's operation is preferable to Hochenegy s as the perintales of the large bowel is felt more I tensely. The t isting according to Gersony therefore, has an advantage over the single arms formation

II Cases in which the sphinter was spared. Ex cept for a few intrarectal arcinous and operations by the I vagination method, the procedures employed were as follow

from infection Good functional results were obtained in thirty-six per cent of the cases Hochenreg's method favors the occurrence of gangrene The danger can be maximized by needing the sphere. ter long-tuchnally according t the method of Helpeck but this procedure aterieres its the functional result. The utbor claims that this method is pricated only benthe operatio must be performed speedily and best only the anal success membrane can be smared & Circular surgre, on many or secondary as employed in thirty-fou cases, with lower mortality and no incontinence in uxty-ux per cent of the cases. The author considers this the method i choice i resection of the rectum. The posterior has of suture may be supported by plante Lin flap after R iter T lemen the number of poor results the method should be tised onl primarily under absolutely i worshie con-ditions. Otherwise the sature of the anterior part of the circumference should be completed and the posterior part hied t the skin t produce favorable condition for secondary suture & Sigmoidoproc tostomy after Hochenege ad Exelsberg (Arogres) was performed as an emergency operation ! three cases. This the author considers the method f choice when long loop of sigmoid can be dra dow camby d Combined operation was performed sixteen cases with thirty seven per cent mor tality

bjection that the more radical procedures interfere too much with voluntary control to be performed extensively the uthor refutes on the banks of the end-results in his own cases and of those collected from the literature

Lenk, R., and Elster F Experimental Radio-logical Studies on the Physicioty and P th solety of the Allmentary Tract (Laponessitäs-radologicals Voden sor Physiciopis and Pubblogh de Verdroospiralism). Historia, and Holenia

9 t, lt, 103 By Zratralbi. f d. ges. Chir. u. L. Greengels. The authors report the results of experiments carried out on nimals for the radiological study of

By Sung Cymrc & Obst. The method of excision after Hochenege was used in to cases. The results ere not very good. There was blab mortality

> btained II adel a double meal is gi en The matures used for angestion and injection. and the purpose of each the general outlay of histruments and the method of pains them, not the manner of recording barrs turns re all described.

Printed forms re used for all records bleb con tain in clarified form all onditions commonly seen spaces for unusual dat and coaclesions. The reconstulation sheets contain the dispression points boiled down. I this wy complet perma

Points of diagnostic significance are safted out and th combination may be strong enough and therac teristic enough t point to single desmosts. Experience in radiology is gradually formulating \(\frac{1}{2}\) ray sign complexes which are nalogous t the ruptom complexes in rdinary clinical use Versy findings in given care are diagnostic of one or another lesson in proportion t their coincidence with the known ugu complex of that lesion. I one case the X-ray results alone may be diagnostic. while in another abnormal \ ray findings may be

quite lackung In arriving at diagnosis, therefore it is necessary to consider \-ray findings as supplemental ad con tributory t other methods.

Quoting from the author Vismilization of cancer of the atomach with below filling defects, or a sastne oker with characteristic incours or niche is so dramatic that the eraberant enthudam thus aroused has unfortunately created the impression in some quarters that the Rhotgen-ray is ready to supersede the ordinary clinical methods of diarnoss. This impression should be discouraged,

the stomach. This view is confirmed also by con-Carman, R. D. The Technique of Routges-Ray Examination of the Gastro-Intestinal Tract. nd the I terpretation of Screen and Plate Findings. J Am M Am 9 1, in 3

the stomach. I contrast to their observations on

the normal stomach they found that in hypacidity

the peristalsis is stronger and the emptylar of the

stomach is more rapid in hyperaddity on the other

hand, there was no deviation from the normal

hich fact contradicts the prevailing belief

Motor disterbances in gustric diseases, therefore

have no pparent connection with the chemism of

parative observations o human beings.

The technique of bismuth \-ray work on the stomach ad colon used by the uthor t the Mayo clime is described in some detail. Both finorescende and plate methods are used \ marked preference is given t either one as the information obtained by

each is somewhat different in character. These methods, therefore, are not in competition and both are used in foutine in every case. Most of the dat however is obtained during the screen examination. two or more subscoperat plates actuar as a beek an for confirming or amplifyl g the dat previously

nent data can be preserved for future reference and companion

for in the vast majority of instances the my is only link in the chain. The X ray is not a rival of disical methods, but a most valuable adjunct thereto, and worthy of routine employment. House E. POTTER.

LIVER, PANCREAS, AND SPLEEN

Paristreccito, G. A Rare Case of Hydatid Cyst of the Pancreas Cured by Marsupialization (U to a ratisize d'hydatyde d' pancrés: guéti par la marsplafisation). Pessiere sold 9, 3, No. 5. By Journal de Chrangle.

Echicococcus cyais of the pancreas are very rare lanaer, in oil could find only tweety-eight cases in the literature, even counting the doobtaid ones obly eight of these were operated on. All were cared. In one case the pericystium was eatherated a nother Borbroffs method was used 1. Incition, extraction of the parasitic cyst, injection of an indifferent field into the pericystium, and esture in three cases resection [the pericystium and in five other materialisation.

The arthor's patient was a woman treaty-for journ of agr. For eighteen months she had experienced a sense of leaviness and treasion in the regarder edge, her appetite was poor site was constanted, but had neither womiting, icterus diarrhors or melens. Be grew thin and at the end feight months had an epiparate tamore as large as an exame, which was diagnosed as cyrt of the mecanement, which was diagnosed as cyrt of the mecanement.

On examination there was found a procedure of the sept-ambient region, that to the left aid. This was moved alightly by respiration. Pelpata beared a hard, feather, spherical tumo the post few wal. If the abdomen, which could be moved for what if the abdomen, which could be moved for the post of the second of

On laparotomy a timory ran found bet cen the sonath and transverse colon, behind the gastrootle securion. As it was to discuss the securior of the the less of entiry talleg it is also and the the abdominal wall by tim of nature and opened in the center About quart of fund and deugated rocket came out. The body if the cyst was firmly highlated on the tall I the pancreas. Complete towers resulted and was found to be permanent there have permanent.

Nerrin, L. Subcutaneous Traumed Rupture of the Spicen and Its Treatment (Uber subcutan, traumathels Milaropture and his Schaudell, Updal Litter | Iris h | 0,3 x in 14 By Zentralbi. L d. gr. Char L Gerngeh.

Among 33,000 patients received in the surgical action of the Sahlgren Hospital in Gotenburg from 180 to 9 there were 30 cases of subcutaneous

injury (the abdominal viscers, 5 of which were injuries of the spleen. During the same period of time there were 8 you cases. I injury treated at this boughtal. Injuries to the spleen therefore occurred only once in 1 74, cases of accidental injury and once in every 9 cases of rupture of the abdominal organs.

In four other Swedish hospitals the author has discovered eight additional unpublished cases of rupture of the spicen, making in all thirteen cases. Eleren of these were males. The youngest patient was seven years 1 gr and the oldest sixty-seven. Most of them however were children about ten

years old and men from twenty to forty years. One patient who had fixed and enlarged spleen ruptured it during an epileptic fit and died within fifteen minutes. All of the others had been subjected t severe violence, generally upo the left In no case was there a history of typhold or malaria In four cases the condition of the spleen was pathological in three it was moderately en larged (once being complicated by Lacunec' cir rhosis of the liver) and in o it weighed 1100 grams (Bantı a disease ?) In three cases, besides rupture of the capsule and medulia, there was subcapsular hemorrhage, in six, single or multiple partial repture of the capsule and modulia and in four the spicen was completely almost completely broken into two or more pieces. In four cases the rupture was uncomplicated nce it was complicated by rupture I the liver and the ventricles once by rupture of the small and large intestines once by repture of the diaphragm nee by rupture of the splenic vein once by rupture of the fung and fracture of the ribs and four times by fracture of the ribs alone.

The author believes that complicating rib fracture is probably much more frequent than is shown by these and other statistics. Pain in the left scapula or shoulder was ot noticed in any case. As rule there were no outward signs of injury Three naturate died immediately after the injury the ten operated upon died. In this case there was also rupture of the liver. The remaining nine recovered after an average time of thirty tw. days. The ribs were not resected in any of the cases. Incesions were made as follows once horizontal incision under the left costal margin nee a median incision, once vertical incision through the middle part of the sheath f the right rectus. once similar incision on the left side, and five times a Tincision. Tamponing was successful in t cases and falled in one. In another case where the tam pon was used the harmorrhage continued, and the pon was one to a management of the splenertomy next day it was necessary t perform splenertomy Partial splenectomy was performed twice with good results, on third; one half of the spleen being removed. T tal spienectomy was performed in five exses. On examination two to nine months after the operation on evidence of any had effect was found. In agreement with Stinelli the author advises an attempt at conservative treatment by compressing the vessels of the bilus.

methods

Northin sums up his conclusions as follows The number of cases of rupture f the spleen brought t the hospitals in time for operation seems to be increasing. Therefore every surgeon should i miliarize himself with the symptoms and treat ment of this condition. There are no pathogmoric symptoms but it is possible t make probable diagnosis. The preferred incision is an exploratory incluion from which a transverse incluion is made through the left rectus muscle. The spleen should be preserved if possible. Future surgical progress should be in the direction of developing conservative

Bisch, P and Weltmann, O The ! biblions Influence of the Spicen upon the Growth of Rat Surcounts (Uber den schenomicsments Elafons der Mila auf des Rattenaurkom) Ware

By Zentralbi f d pm Chir i. Greenreb. Whenever the authors inoculated encomaton tissue mixed with splenic tissue they observed an inhibitory influence exerted by the splenic tenase upon the development of the tumors. The spleens surromatous rate exerted more powerful i hibitory acts than those of health animals. The immunity developing in the body follo ing the absorptio of the tumor cells is considerably in creased by the fection i ground-up splenic times The animals that remained refractive following the injection of solenes and t. mor tissue did not develop ny temora following second inoculation It is impossible to state what the actio of the spleen is all of these processes. The spicale tasts may increase the natural protective substances of the body or it may exert descriptive influence upon the ternor cells by means of ferusents. The lection of the spleme turne in the rat indoubtedly produces peneral reaction of some sort which must be later preted as increasing the immunising processes re

CARL LEWISE

MISCELLAREOUS

milting from the growth of the tumor cells.

snoff A., d Ladygin, M. The Haussesstatic Action of F try Tiese i I juries of Paren chymatona Organa of he Abdomen (Die hist Polencii A., stalende Werkung des Fettgewebes bei Verletzungen parenchymatoser Organs der Bauchhösle) Fracil Ger St Petersb 9 J. vo. 137 By Zentralbi ! d ges Chir I Gennspeb.

Former experiments conducted t the clinic of Oppel and Pederoff showed that the hemostatic action of transpla ted turn depends upon the presence of thrombokinase, and that therefore trances that are rich in blood vessels and contain much thrombolimese are the best adapted for transplantation. The authors next conducted experiments t determine the hemostatic action of transplanted fatty mance. For this purpose inferies ere inflicted uno the spicen, kidneys, and liver of rabbits and the wounds sutured over with fatty timese

or temponed with fatty time c. In all cases the bleeding ceased within three to five minutes. 13 of the nimals withstood the operations well. The uthors tested the method leo three kuman pa tients. One case was severe subcutaneous rapture of the left Lidney ith severe hemorrhage which could not be controlled with the usual methods. A plece of the perfrenal fat was therefore transplanted and the hemorrhage ceased immediatel patient was checkurged cured ithi t rel s The other t cases were severe stab wounds of the h er and I ng In both, piece of subcutaneous f t as transplanted and the hemorrhages ceased with

in short time The experiments revealed the f ct that fatty these has as good hemostati action as other times although it contains only small amount of blood and consequently only little thrombokingse. It is doubtful, therefore whether theomboliouse is really the principal factor in the hemostatic actio I transplanted these. At the present time the authors are determining the quantity of thrombokinese that a contained fatty trane.

VON HOUR

Fowler R. S. The Elevated Head and Trunk Position in the Treetment of Surgical Lesions of the Abdomen. T Introd Cong Med Lond O P Vet By Same Gymec. & Obst.

This paper is based on the author' beervation of over you cases I diffuse septic peritoritie and

study of those operated spon by other surgeons. The explanation of the value of the elevated head and treak position given by the withor is as follows The peritoneum is an enormous lymph-ac, and in flammation f this membrane is therefore lymph angitus. The peritopeal absorbents are represented by lymphanes in the structure of the peritoneum These lymph-channels are large and umerous in the pelphbothood of the diaphragm, and have comparatively large openings or stomata in the intestinal area the lymph-trunks and stomate are less amerous, and in the pelvic rea the larger lymph-channels and stomata are absent. In localities where the lymph channels are large as in the upper abdomen, especially in the disphragmatic ares, absorption occurs before the lymph-channels can be obliterated, and the organism becomes overwhelmed. It follows, then that if the t ric products can be confined to or drained fat the lower abdominal or pelvic area inflammatory occionos of the capillary lymphatics III result and beorption will be retarded to great degree. It is this result that makes the elevated head and trunk positive of value in surgical lesions of the becomes

I treating cases of peritonnal involvement, all septor material should first be removed as rapidly and with as little disturbance of the peritoneurs as possible Advantage should be taken of the force of gravity in order t facilitat the passage of finish from abdominal areas t the privis. The latter is accomplished by means of the clevated head and

trunk position and has for its purposes () The lessening of the rapidity of the absorption of septic products by retarding the normal intraperitonical way toward the diaphragm. () The relief f departmentic pressure and the I vori g of normal respiration. (1) The promotion of normal peristal ms, both gastric and intestinal. (4) The localizatio or prevention of the spread f infective processes in the privia. R II At VEALY

Carrel, A.: Concerning Visceral Organisms. J. Lip Med 93, 1011, 115

Hy Sure Gyper & Olist

Carrel gives an account of his experiments in which he lept animal organs al re and functioning after their removal from th animal bod 1bdominal and thoracic viscera removed from t and dogs were kept in Ringer's sol tion t 18 degrees centigrade. The lungs were ventilated artificially Food nd water i trod ced into the craophagus were digested. Faces were excreted from the artificial anus. Lrine also was excreted. The heart beat varied from 20 to 50.

The reasums lived for periods of from three to thurteen and a quarter bours after the death of the animal from which they had been taken. In some nature es the death of the organisms occurred rather suddenly Usually he ever, it was preceded by rregularity and weakness if the heart beat. In som cases the heart-best was weak after the removal f the organs from the animal body but it became strong immediately after transfusion from nother nimal f the same species.

JANES F CHURCHILL.

SURGERY OF THE EXTREMITIES

DISEASES OF BONES, JOINTS, MUSCLES, ETC. ORNERAL CONDITIONS COMMONLY YOURD IN THE EXTREMITIES

Frauenthal, IL W Cenditions. T Intrast Conf Mel Lond 9 1. By Sark Gron & Obit

This paper was presented for the purpose of draw ing the attention of the orthopedist t the frequency of bone and joint lesions in inherited ad quired syphilis. These must often be regarded as tubercular rheumatic etc., for in the reports of orthopodic institutions, few cases are given

From a review of the literature published in Lug land and America, the author is convinced that explailtic joint conditions have not received the consideration t which they are entitled. The observations and statistics of the most eminent continental observers show much larger percent up of cases. Osler in one of his recent statements, claimed that 50 per cent of the huma race die from eliber direct or indirect effects of yphibitic infection.

occurding t Fournier 30 per cent of all cases of congenital syphilis have joint diseases. Von Hippel states that 56 per cent have arthritis, and Sch fler calms that 7 per cent of all joi t diseases in chil-dren are syphilitie.

I arriv t a correct diagnosis by exchaion, the following por ts in inherited and acquired syphilis should be taken int account in determining bone and joint syphilis

L. Blood tests () The finding of the sphrocheta pallida () the Wasserman test nd (3) the

2. Night pain in the bones.

X-ray findings in bone and joint conditions (1) Perioteal thickening (1) uniform boso shadow that is a unification of compact and cancellous time first reported by the author in 906 (3) process ppearing by contrast, as light area, nd

which u gummatous destruction of the bone (4) epiphyscal hypertrophy detachment, etc. (5) bone tumors and (6) bone cysts.

4. Epiphysitis Syphilitic epiphysitis is characteristic of congenital syphilis as has been described by Barlow Fournier Farrott, and Taylor

s. Lymphadenitis General lymphadenitis should excite the suspicion of syphilis.

6 Anti-syphilis treatment A doubtful diagnosis may be confirmed by a course of anti-syphilis treatment.

Attention is drawn t the fact that a syphilitie hydrone I the joint precedes the eruption both in congenital and acquired syphilis and that syphilitic and t berculous processes often occur simulta neously in the same lesion, a fact that must be remembered in the differential diagnosis.

The the reports 26 cases of syphilitic bone and loint disease in which mistakes had been made in diagnosis or which presented some peculiar syphilitic condition

Observers have stated that in congenital syph the bout one half of the cases develop arthritis. I doubtful cases the autho advises submitting th patient to Wassermann r Noguchi blood test but be has found that in some cases in which a egati Wassermann is obtained small injection of salvarsan or mercury salts in syphilitic cases will give positive reaction.

It is pointed out that t bercular discharge from joint does not exclude the possibility that syphilis may be the mai cause of the joint disturbance, and if the syphilis is treated the tubercular infection may often be cured.

At the Hospital for Deformities and Joint Diseases there was found in 15 per cent of the cases a tuber

cular invasion on syphilitic base. A marked im-provement was brained in these cases by the addition of salvarsan and iodide t the other treat Wachmer F. Acul. Outcomprilit and Plastic Operation on Bone in Childhood; Front the Material of the Emperor and Empores Fried ri h Children's Hospital for the years [200] 1912 (Ober hass Overaginis and Outcopingth in Kledesker bestlettet an den grauntes. If trial der Kaber und Kabenis Friedrich-Klederitzsiken-

dri haber und haberia Frechtick-Richertunskein der 7 ft niehen Beschen von Bilder Bo
g und Kraussein der Ausstelle der Steine der Steine Ste

The uthor notes the frequency of streptococcus infection of bones and ponts is infancy and the prevalence of mixed indexions later of the infectious diseases, waster fewer the most aget the followed by outcompetitis. The infection result from embodre at the ponts where the bone is particularly rut in blood ereck. Trauma is often

mant is pount. The proposal apon the se erit of the general yentation. Prompt limitation of the form of infection improves the prognosa and insants the danger of general septements. It hidges the metabloring joint are frequently switched by metastasis. Suppurstice does not alway take place for many bedfanting midinumstations are overcome to; the vitality and bactericalal power of the thorse.

The diagnosi is not al. y easy in early hild hood. Violent general symptoms ferer local pardoughly swelling around the bone and fours t spare the flected limb will be noticed before the

relating part re shows an changes. The transment consist is carefully opening the periodical baces. If the general range as even indust the bose handle bequest those did a gast of the early removal I affected bose more beautiful to accordance to large the present of in the original control of the strength of the present of including the change of the control of th

od boy have been perinanent. The wish man the whole this as implaced by I over an especialistic of the boat by I can be seen to be considered to be the boat by the seen to be considered to be the boat by the seen to be considered to be soft those of the first boat of the soft those of the first and entire to those of the first and entire as invitant a similar to formation of new boot. Petetres are given aboving a rifficult force-feature of the soft those of the first and entire to the soft those of the first and continues to the soft those of the first and the soft the sof

Pictures are given aboving artificial since-joining and cause of planck operations inh bolled books, metal rods, ad bose from the same fortridual that grew in very well in spit of previous treatment with bichlarkie solution.

In conclusion reports are given of t o cases. I one the entire this except small piece of the dianhvels at the apper end as removed. The

astragules also wes rescried. The lone as neplaced by the shall of the flolid and on all nelocate formed between it and the calcaner. As pictor takes after fourteen years had algored showed see joi t formed between the calcaner, and the shoule which had developed the straight of a normal tibia. In the second case the entire this partial, of astropairs were reserved and the tibia replaced by the shoul. After five years not only had the shoule horeward decadely in length and thickness but new bose had been formed from the fragment of preferencem that trenslined. See the

Bach for 11 W. Typhold Periositis. T. An Rant R. Sur. Busine, p. 2 Oct. By burg. Lypne, & Obst.

D biles reported cases of chronic perioritis th new bose formation, buch were first diagnosed as a public on the basis of both clinical findings and routge aver this

These are gave negative Was-ermans but the tibial nodes ere so suggestive that the patients ere placed on a t-syphilitie treatment though thout benefit

The ther had examined one patient three year previously when the latter as convincing from typhoid. Ut that time he studentially had typhoid present according to both difficult and riotterongraphical findings but some of the boot charges were recent that the probabilities was latter and from mercup, or necessariant, improved the patient's condition and ut sharply descript the effect

coolding and it has his decaded to try the elect of typhoid vaccines

The same were treated, one by Lermon and affected by Daniells. The pain is the less and the

other by Daniells. The pain is the legs and the other ynaptomis disappeared and emptomatically the patients are cared.

Further to temograms recently taken show no marked hange—the bose pecture and the patients report that there has never been any return of the symptoms previously compitation of

I 'coo femos, the author states that there may be marked similarit; in the bone changes of chronic t photal perioditis and syphilis and currell attention t the clinical history may be necessary t void errors in diamons.

Taibot Bodd, and Peterson Experimental Scorbotus ad the Röstgen Ray Disgnosis of Scorbotus Series W & 57 rg p. dut. 34 By Sur Gysen & Obs.

The lit line seen in radiographs at the ends of the daphy w I the long bone has been considered by previous attent the constant is, and peculist if it lie scurry. This line which is doe to selective increase in calcium deposit at this point has been seen in advance of the chinkal or radiological signs of subprinteral hermorthus and per

sists for months after an apparent cure

When acorbutus is associated with ricketh
radiographs show in addition t the whit line,

distinct roughening of the cods of the bone shaft as if it were teased out with a needle. Also in certain cases of synhills white line has been ofed occa. sionally but it is by no means constant

Experiments were conducted by the authors to test the constancy and further explain the pathological condition that results in the white line. Galaca pigs and monkeys were used. Fed with oats or bread and water the younger gunnes pigs suc cumbed before the arrival of cimical acorbutus. The larger pigs survived about forty days, and although a definite white line could be demonstrated radiographically in one or more cases, the epiphyses were rather too well united to correspond to the stage of development seen in infants. O microeconcal examination the white line was found to be the seat of definite increase in the density of the bane.

I monkey fed ou unsweetened condensed milk death occurred in three mo tha. Though unobserved during lif the characteristic white line at the disphyseal ends was oted in the radiographs taken post mortem.

These experiments confirm those previously eported in that it was possible to produce scorbutus in the guines pig and monkey not the conditio was accompanied by the radiographical white line that a seen constantly in infantule scorbutus

HOLLE E POTTER

Yan der Scheer W M Osteomalacia and Peychosis (Osteomalacus and P chose) fork f 9 3 4 845

By Zentralbi. [d. gen. Gynal. u. Gebertah d Grenngeb Osteomalucia is often greated by the chaical ymptoms and microscopical appearance f th bones in osteoporosis. The thor examined microecopically the glands with an internal secretio laving an influence on the metabolism f the bones it the thyroid gland, the ovaries, th adrenals, and the hypophysis. He considers orteochronic inflammatory process which is produced by definite agents toxines or bacteria, and which requires special predisposition. This predisposition exists in disturbed metabolism which may arise from functional disturbance f

certain glands with an internal secretion. The author view explains the frequent occur rence of the disease in pregnant and puerperal and gramous women. Patients with chronic insunity are also much more predisposed t this disease than others. This may be due t the fact that the glands of laternal secretion play an important rol in certain forms of chronic psychoses.

Pana, M. Bone Cynta, Outfile Fibrose and M. I. tiple Exostoses (Knockessystes, Outsile Stross and smiltiple Exostoses). Versh M. g.f. Ligeredensh Christians. Association. Christiania, o 3, lumby 634.
By Zentraibl, f. d gen. Chir u. i. Grennyeb.

The author reports case of hone cyst in the upper half of the humerus of 17 year-old girl. Th eyet

had give no symptoms and was disco ered in the ro tgenogram taken because the patient sustained a fracture of the upper arm below the surgical neck from a fall. The routgen picture abowed with certainty that it was a cyst and not a sarcoma that was present. The cyst wall was chuseled out ante riorly and the microscopical examination verified the diagnosis. Consolidation occurred in from six to seven weeks. The function of the arm was restored completely N cysts were demonstrable in ther parts of the osseous system.

thor mentions further a case of fibrous ostetus in the prermost part of the fem r in s year-old woman. The rontgen picture showed a considerable swelling o the left aid in the trochanter region, which was permeated with hollow spaces. Cavities were seen also in the collum and the caput The collum formed almost an acute angle with the disphysis f the femur. The bone in the acetabulum seemed in re transparent than no mal The radiogram of the right hip joint showed merely an arregularity in the joint surface of the caput. A case of cartilaginous exostoses is also reported.

Haza, S L. The Regeneration of Bon from Perionteum. Surg Gyme & Obel 9 3. By Surg., Cymes, & Olar.

In an riginal experimental work, the autho has endeavored to determine the exact role that the perioateum plays in the regeneration f bone. He presents also short resume of the literature, and the ordnions f the leading in estigators along this

The uthor observations were made in of six two experiments on rabbits dogs, and cats, which lasted from four t two hundred and forty nine days. All of the experiments were made moon the ribs, which were treated according to The first experiments showed the of methods normal method of regeneration following a simple subperiostest resection both when bone element were left in and when they were entirely removed I another set i experiments the rib was raised

from its periostenl bed and a layer of muscle sewed beneath so as t separate it entirely from the peri osteum. Bone always grew in from the angle formed by the raised rlb and personteum

It cannot be dealed that the bone may have had some influence in originating the regenerative proc ess but it is significant that the regeneration occurred only when the periosteum also was present Therefore the uthor concludes that the periosteum must have acted in some ther way than by merely must have series in sense their way man by merely passively directling the distribution of new bone. H sacribes to the periosterm some power possibly of a chamotactic nature which determines the direction in which new bone shall grow In another series of experiments similar to the above but with the ddition of blood-clot t the periostral space the blood-clot stimulated the periosteum t activity even in the beence of any bone connection

The author' conclusions are as follows () Periositeum specially in the presence of blood-elot, has the power t represent bone (s) Regmentation of bone is not dependent solely upon the presence of pre-criating bone. (s) Regmentation at he e was never found unless periositeum was present.

Two groups of cases are considered in both of which there is more or less generalized involvement of the bone. I one the bone affection practically constit tes the disease in the other t is manifesta

tion of coincident legion.

Group includes two cases of outcht flyman of the ratest first described by Paget In 817, and commonly known as ottelth deformans. These presented all the trust infinity—involution reprogressive body calargement and deforming peak in poster, et. The N ray communities receilles marking belog presentation re-cellost marking belog presented by coarse trabeculation. The skulls were especially distinctive in that they showed peculiar moduling.

Case 3 of the first group was an example of estetis fibrous cysiles first described by Von Recking hausen in 80 and commonly known as multiple bone cysts. Repeated V-ray examinations showed

large number of localized decalefied reas the the cortex of the bone much thinned and expanded. Some of these had fractured spontaneously some produced pain nd swelling, and others were wholly unsuspected. The case was nder observation for over four years and the patient general localib

during this time as mpaired.

The text group of three cases came under the Cassification of hypertrophic occes-arthrogathy of Mane. To I (them ere associated ith peliosistic of the property of the product of the prod

Ely divides joint conditions int two types. Type I includes those cases that is characterised by inflammation or proliferation of the synoria. Type II, those cases that are characterised by inflammation and degeneration of the synoria, degeneration of the marrow and resulting hypertrophy of the bon and cariflage.

As representing Type II the athor describes

simple symortist in hich there is no gross pathology and only the symorus is inflamed. The distensible with the second proper is followed by the second continuous co

Severe emilitariteuta group. It is pointed out that its group is escentially multitreluair and progress and in often various joints is succession. Pathologically this group is profiferation of the systevit and in most cases, also of the lymphoid marrow as trophy of the bone (either said) tag catchis, or recognition of calcium, said) and encoison and destruction of the cardiags which results in subhusancors, destortions, and throus and one analysis. The onest end the symptoms vary and the state of the cardiags which results in subhusancors, destortions, and through and the state of the cardiags which results in subhusancors destortions, and the symptoms vary of the state of the cardiags of the cardiags of the cardiags are produced in this group.

as representing Type II the author groups enterarthrifts and the hypertrophic form of Godithwahe. I deceasing the elology he states that patient with this type of arthritis often softer with flatlence and intestinal indigention. I many casetence and intestinal indigention.

reposited transma is probably factor

The their believe that the change are the to dependent up recovered in the bose narrow the deeper layer of the perioasteum and the sprorts. The bone and cartilage become hypertrophiled. The resulting attrophy of the articular cartilage is due to be ground in of new cartilage and bose beneath. The latter deprove the articular cartilage of the newtone which if derives from the marrow. The perspherical that has becomes byper-trophed, cartilage and the cartilage and the cartilage and the cartilage and the product of the product o

Ely states that constitutional ymptoms are not convolutious and that pain and restriction of finetion in the affected joint are the chief causes of compleint. The restriction of motion is due t sectionical interference 10.0, which is the prolated properties of the properties of the protead interference.

Ridion J The Mechanical Treatment of Elp Disease T Internal Cong. Mod., Loud., 10 J. Aug. By Surg Gynec & Obst.

By hip discuss is meant any chronic inflammation of the hip joint that is not differentiated from tuberculosis, nd hich, when left untreated, results in more or less diminished range of motion at the joint, with usually some deformity and frequent by shortened limb.

All cases of hip disease domand mechanical trust scent only very small percentage demand operative treatment, and for these, mechanical treatment is as exential as for cases not operated upon. The mechanical treatment falls it three general classes ke, plaster of Paris splints (long and short) metal splints for immobilizati n (of which the Thomas splint is the best type) and traction devices

for use in bed and for walking (the T ylor splint).
Some cases require treatment in bed for a time
some patients may walk with crutches or the protecting traction splint, and others, t least during th
period of convaluence, may with dvantage walk
the limb without crutches.

FRACTURES AND DISLOCATIONS

Dollinger B. The Reposition f Fractured Boura under Local Americaeia (Ther de Reposition der Bruchesden in Lokalanasthede) Zeutral 1 Chi 9 3, 21, 763.

By Zentralbi. 1 4 ges Chur I Grenzgeb The best treatment f r recent simple fractures f the extremities is the accurate reposition f the parts under the guidance of rontgen rays and firstio by means of planter of Paris splints the Dollinger bandage. In fourteen cases the autho controlled the muscular spasms occurring during the reposition of the fractured bones, by means I local anesthesia. The anesthetic was either injected between the ends of the fracture or given by the circular infiltration method. The autho prefers the latter as the easter and more expedient. When the first method la employed, t so com, of a per cent novocaunesuprarenin sol then are injected directly between the ends of the fractured bons. The angesthesis is complete at the end of from five to ten minutes. The author ensisthetized two cases in this manner He recommends the second method however as in the first the injection is very painful, the bon frag ments very tender and the solution easily musing the nerves on account of local hemorrhages may readily enter the lumen of a blood vessel and cause novocaine polyoning.

By means of a thin peedle, cm. in length the By finance of a turn needle, the in length of the cathor indirectes the parts from as few pol to us consider in firstures. I the forearm, from points in firstures of the leg from 3 to 4 points and in fractures of the leg from 4 to 5 points. These polats are about 6 or 7 cm. above the fracture line. In cases of larger harmatomata they are o or more ceatimeters bove. Th injectious are made to affect the entire transverse section of the part, first the subcutaneous tissues and then the deeper struc tures, layer by layer The anesthetic solution should always precede the needle point After from to to 5 minutes the anaesthema is complet the mencular spann ceases, and th repositio end bandaging of the limb can be accomplished easily I this manner the author treated among other teses four thigh fractures, and sutured t When anatomical conditions such as those in fractures of the pelvis, ribs, etc., preclude the use f this method, the injections must be mad between the ingments of bones. The author claims priority for the application of the circular infiltration ansesthesia in fractures of the thigh. Smoo

Speed, K. Juxta Epiphyseal Sprain and Sprain Fracture of th Lower End of the Radius. Surg Gysec & Obst. 9 3 xvfl, 24 By Surg. Gynec & Obst.

The diagnosis of infuries t the wrist covering jurta-epiphyseal sprains and epiphyseal fracture in children and sprain fractures I adults is difficult. These biptics differ from the Colles fracture, which we have gotten for the shall of calling all fractures of the wrist. Light on the subject of fower radial fractures was sought by skingraphic study of the closure of the lower notall epiphysis. Starting with a child seven years of age akingrams were made fundisects a year apart in age up t a twenty two-year old dult. The lower radial epiphysis is the nost important because it is there that the greatest growth occurs. A roordingly its health about the granted t aword displacements after aprain and fracture and th development of bacterial activity.

A at dy f the aliagraphic development of this epiphysis demonstrated its growth and closure. At about the eleventh year th ulnur border of the eraphysis begins t close. The closing process slowly travels across toward the inner side of the radius. and the lower epiphysis becomes thicker and larger The styloid process takes from about the fourteenth year and at the nineteenth year the epiphysis is tound t be closed while the styloid process is still growing. The inner side of the epiphysis is the last lose. After the twentieth or the twenty first year the styloid assumes adult f rm. On account of the attachment f the strong wrist Braments in the epiphyseal area, the latter which is the last to become ossified and is subject to severe strains incidental t falls on the hands, is the sit of cracks and fractures before other portions of the bone. As the hand is more often abducted than propaged, the main stress in falls occurs on the internal leasments. The alper border of the radius is held firmly by the radio ulnar ligament. The latter revists and the styloid process gives first. The median edge of the epiphysis, closing last, leaves weaker spot here to (vo this result. The pronator quadratus muscle acting above, tends to pull over the upper part of the radius and to pproximate it t the ulna and thus gives additional counterpull to the traring out force of the internal lateral Exament.

The capsular figurate of the wrist is continuous at the persistent of the radius, and jurias with the persistent of the radius, and jurias replayaed sprain, with tearing of the attractures causes symptoms as cute as those remitter, from epidpyreal or sprain fracture. In sprain, the time in gand efficies of blood are deterred. In this is impacted from the persistent of the control of the contro



4. There is not complete unanimity f opinion regarding the influence of the Lane p it es on the middly of repair. Some surgeous think that they retrail usion. It may be difficult to determine this point definitely but in the writer a experience there are little doubt that they shorten the period of daubility by permitting earlier manage. If the smuckes and modification of the jos ts.

SURGERY OF THE BONES, JOINTS, ETC.

Krabbel, M. Pluging Bon. Go titles with Fee Transplantation of F t (Zer Plomberung on Knochenbolden mit free transplantariem lett) Bon r. klm. Chr. 9 4, harr 400

By Zentralbl. L. d. gen Chir | Grenngeb

Bone cavilies were plugged with free transplanted in in case. Four of these were cases following osteomy-ditis, fir I suberrulous and one of osteostroma. The technique employed was the same of that followed by Makkas. In fir asset the fat leaked in promptly in three the pig was spelled, and in two cases there was tuberrulous relapse.

The praximity of an articula cat ty or the accessive of opening such a cavity is at contra-indication to the transplantation. If there be tabertu loss lifection of the soft parts also besides that of the lones, all if the discussed portrons must be removed carefully. If a furth forms the July most be removed timediately to did lapse. The lones formation of advances but slewly and a nit moderate after a year' time as is demonstrated by midigrams.

Weiss, R. The Operative Treatment of Suspping Illip of Luxatio Tractus Hieribialls Traumatics (Dis operatives Rehasilizary der admappenden Heite der Luxatio tractus Houballs traumatics) Messi kir f Unfalkella s. Israilalemeter q 3 xt. 6 by Zentralb L d ges. Chr. n. l Greingreb

In the case described the painted inapping of the Mip occurred after fall gainst railread track. On operation completely insigned tension-like part of the Biothbia completely insigned tension-like part of the Biothbia construction in part of the gainers are ched over the trackant in part of the gainers are the size of the size o

(FEAREL

Schwandin, M The End Results of Lease Arthrodesis of the Ankle-John (Indresint de Learnton Arthrodes an Sprungsieh) Ark Alis, Chr. 9, 3, d. 200 P. Zentahl L. d. ges Chir. Greuseb.

By Learnth 1. d. ges Chir Grenneth.

Nine cases are reported in which arthrodesis of
the anklo-joint was performed by Lexer method,
the use of a wedge of houe from the tibus with perfor-

teum and marrow or of a section of the fibula throughout its entire thickness. In every case the bone sections were obtained from the patient.

After the operation a planter of Paris cart was After the operation a planter of Paris cart was the end of the control of the cart of the

By the method bony ankylosis in the articulation between the tibis and the astragalis does not occur often. It is more frequent i the articulation be tween the astragalis and os calcis. The arthrodesis lasts only until the interposed bone is absorbed, hich requires different lengths of time in different

cases. The cases all made uneventful recoveries.

Depute Resection of th Posterior Tarsus (Kinetion du tans postérieur) Ass. Sec. Jeige de cher 9 5, rel, 97 By Journal de Chirurgie.

Depare states that methods for resecting the diblotantal joint and the posterior targes a very n metwor and a young surgeon may find it very difficult to make choice between them when treading tuberclooks of the foot. This multiplicity of methods is due in part t the multiplicity of the state of infection.

When the antragalm is tuberculous it may be removed by Vogt method. While the removal of the satingains is often practical, it is, however often assaficient, for even if the adjoining synorial membranes are all removed tuberculous for may be left. Furthermore, this operation leaves a flat-foot which is not very serviceship.

Another method is resection of the tibiotarral articulation by Hueter's method. This gave excel lent results in the case reported by Depage. The ubial plateau, astragalus, calcaneum and even the anternor tarsus may be removed, and all of the tuberculous foci may be cut way.

3 The mid-tarnal resection by two lateral incisions according to Koenig' method is not as good as th preceding.

as th preceding.

4. Kocher method of resecting the porterior

tarress and tiblotarial articulation is of great val e.

The tiblotarial resection through an inchision in the sole of the foot as recommended by Busch, Sabanejew and Bogdaril, has no special advantages.

The method of posterior tibiotarnal resection of Vladimirof Mikulicz as modified by Krodnitz

Simultaneously with this treatment massage and gymnatrics are begun twice delly. The individual parts of th apparatus are gradually taken off as the patient improves.

patient improves.

The advantage in this method lies in the fact that the patient is able to assume the print posi-

tion immediately. As result there are brought about more favorable circulatory conditions in the spine which favor the absorption of an abones or orderns. Furthermore, on account of the pearls stretching of the numerics the spasses are decreased.

SURGERY OF THE NERVOUS SYSTEM

Stoff I, A. New Facts in Regard to the Nature of Schattes and New Methods for the Opertive Treatment of the Disease, (Nous size das Wesen der Lechsta und new Wege für die operative Behandlung des Laidens). Maschen mod Verberker, 9 3 iz., 155.

by Zestrik! I d. ges. Chr. Geraught.
Stoffel states that it is incorrect 1 consider the
solution to reveal while. It is necessary 1 differ
entiate within it a umber of motor and sensory
tracts similar to those in the trigenmal nevralineases of these different individual tracts produce
different clinical pragnous. As the various tracts
always occupy the same position within the nerve
it is possible; about the individual tracts produce
it is possible; about the individual tracts
from the control of the control of the control
in the control of the control of the control
in the control

exposed the diseased trant is mobilized for. diseased and severed. A certralized of the promised and distal part may then be performed. The shocker assembled: non-resulting its samplicity to said. The relative anesthetic tools immediately following the operation is such larger but in time gradually decreases. Tophic disturbances or subjective disturbances have correct as result of the assembled to the contralization of the contralizatio

theria.

In severe case that resolved in accilosis, this condition immediately improved after the operation (critiquation I the Non cutans some med, et lat, and its tracts in Jime, 9) without any special after treatment. The patient since then has been also hatchy without pain. The without pains the typical critical particular and the property of the patients of publish.

another article in regard to further details.

MISCELLANEOUS

CLINICAL ENTITIES - TUMORS, ULCERS, ABSCESSES, ETC.

De Quervain, F. The Position of Tumors in Nature (Dur die Stellung der Geschweide unter den Naturerscheusungen). Lehrigt Vogel, α 3 By Zentraß/ L.d. ges. Chr. α. Grennerb

I this lecture, delivered before general scientific and fence the author great his experiences of many years in regard t the tomo problem. I general, he recognizes three liches of morbid standil () Physical () chemical, (s) parasites The third group cannot be sharply divided from the others, as its effect may be othered, as well as mechanical, but little groups are the restrictions following their action are also divided into three main groups (). Reparatory () time-forming.

The relation between came and effect is discussed being with good examples. The pursuite effects, which are discussed more thength, often cannot be similed by time place. The main part of the work deals with the necessarie reactions. Their forms then by various irritants, and analogous processes in the vegetable and lower minual kingdom, are also discussed. The control of the control of the discussed of the control of the control of the discussed of the control of the control of the second of the control of the control of the control of demonstrable. If therefield investigation is uthor regards it mistal, I separat tumers inlibredge and mullipant, and befores that the tenor problems should be treated as whole. For the chincian of come the separation is important. E ery cell has the laberent ability I form transatthe minor enter his interesting study with the theory of the company of the company of the study the purpose of tumer formation, bealing and exophylars.

James M. On the Valuerability of Fast Growing Call Groups. T. Internal Cong. Mel. Lond. 9 J. Aug. By Surg. Gyacc. & Obst.

The thor believes that the vulnerability of cells in direct proportion the rapidity of their growth. This principle is illustrated by the destructive tion of the roatign ray funge granulations, speem cells, and other rapidity proliferating cells. This decreased resultance on the part of the more rapidly proliferating cells is seen also in cases where in the same tensor there is difference in the rapidity of the growth of the cells. For example, the cells of the growth of the cells. For example, the cells of the physical cartilage disea can be entirely stopped and the cells of the cartilage disease. The cattery described the interfecting with the remaining parts of the already.

In rhachith the same principle is met. The discuss in early infancy manifests itself in the form of crantal tabes. consequence of the rapid growth of the canal home to accommodate the rapidly enlarging bin. In later fulfillood, the disease affects mainly the accision of the extremittee, which during this proid, shows the more rapid growth. The author ensists the condition of achondropiasis in a single ray. He attributes the late of extrallation of the condition of the condition of the fortune enclosed in an ammobile are that is too small, and that "spacers out its blood or most of fix blood

The cartilage the glutton of the tissues suffers first and most from this famine.

The withor believes that the increased valuers thing of angled growing cells may explain the localization of other pathological conditions, as, for cample, the localization of other pathological conditions, as, for cample, the localization of outcomyellist to epi physical ends of the disphyses, and Caerny's ernols the distinct to the much exposed outer and linear coverings of the young body. The same principal of the young body. The same principal may play a part in the development of cancer and explain the disappearance of certain rapidly growing tumon during the course of severe hierciton.

BARNET BROOMS

Well, G. C. Spontaneous and Artificial Development of Giant Cells in Vitro. J. Pailed & Bediriel 9 3, xviii, No By Surg. Gypec & Obst.

Well reports his studies on the method of development of foreign-body guat cells made by carefully observing their formation in cultures of pilenk issue in vitro lycopolum spores having been added to the medium; at at as foreign bodies. If found that the crimiar activity about the foreign bodies follows; rather definite and unif rm course.

Polymorphonuclear lencocytes with some lymphocytes promptly migrate to the region of the foreign body surround it and show amorboid and phagocytic activity for several days, degenerating about the sixth day to homogeneous mass with litterality and the several days.

breach; nelest masses, not part cell.

3. At the end of bout thirty-six hours there spear in the culture large monounclear cells which are readily distinguished from developing connective control of the control of the control of the procedule of the control of

Well was unable i observe the development of the giant cell directly but by comparing the number of large americal cells poroaching given foreign body during the development; the entire with the number of model in the giant cells about the foreign body as seen in the final stalled preparation, he concludes that the giant cell is the result I neless distington in Individual cell. If B Looses,

Harris, W. H. The Association of Tuberculosis and Mallgmant Growths. J. Mal. Research, by 3. xxvii, 47L. By Surg. Gyace. & Obst.

At present it is an undetermined problem just what relationship it is, if any that tuberculosis and malignant tumors occurring in the same area bear to each ther The author records his observations in the case of a white man, forty-five years of age, who presented clinical signs and symptoms indicative of laryngeal neoplasm. As far as could be d termined by clinical methods, the lungs and other organs were normal. Repeated sputum examina tions howed that no acid fast bacilli were present. The Wassermann reaction was negative. operation an irregular growth was found protruding just between the function of the thyroid cartilages. Microscopical section showed this t be a distinct epidermoid carcinoma. A complete laryngectomy was then performed. Microscopical study of serial sections revealed the presence of a distinct epi dermoid cardinoms of the spino-cellular type. In the stroma were seen epithelioid cell infiltrations with lymphoid and plasma cells scattered here and there. These infiltrations arose from underlying well-defined, miliary tubercles, which presented a central area of cascation with circumferentially arranged epithelioid cells, few plasma and lymphord cells, and an occasional giant cell. One year after the time of operation there were no evidences of recurrence of either the excenoma or the tuber culosis. The patient had gained over 3 pounds in weight and was of ruddy color and apparently ! the best of health.

The subor limbs that perhaps in this combinates in the larynt, in laberculous provided the tumor? I mainton by its destruction? I the time tumor? I maintonly. He adds that the tumor probably found in the diseased area of; berrelosis the proper conditions for development in other words, that the tumor forms of the proper conditions for development in other words, that the tumor forms provided continued to four tuberculous formed primary pathological soft upon which the tumor thus provided continued to four list while the tumor thus provided continued to four list while the tumor thus provided continued to four list while the tumor thus provided continued to four list while the tumor thus provided continued to four list while the tumor thus provided continued to four lists while the tumor thus provided continued to four lists while the tumor thus provided continued to four lists while the tumor thus provided continued to the cont

Grounz E. Breiner.
Freund E.t Th. Ca. ses of Carcinoma (Dis Uraschen

des Carcinama) T Internal Cong Hed Lond 0 3 Aug By Surg Gynea & Obst. Freund asserts that in looking for the escases of

caranama we must consider not for in eases of gives immediate not the growth but itsen that gives immediate not the growth but itsen that gives immediate the top the growth but itself mathy in the organism which allows it to protect that effect in the one individual of the many who are red upon by the same livitant. Moreover in the majority of the persons affected by carricoman there must be predisposition one in Theref or the number of the predisposition of the control of laws found that the blood of carricomal blood destroys carricoma cells the blood of carricomations destroys carricoma cells the blood of carricomations destroys the destroy them, and it prevents their certuration is destroy them, and it prevents their certuration is destroy them, and it prevents their certuration is a superior of the control of the certuration of the control of the control of certurations and the control of the control of certurations are made as a superior certuration and the control of the control of the certuration of the certuration of the certuration of certuration and the certuration of
destruction by ormal blood.

The destructive power of pormal blood on car
choma cells is due to its content of a hithert
unknown fatty-acid combination that can be ex
tracted its either This substance is lackling in
carcinomatous blood. Moreover carcinomatous

blood contains a pathological nucleoglobulls that is different chemically from normal nucleoglobuls in that it is richer in ether extract and carbohydrates, and, blologically in that it combines the normal fatty-acids and makes them ineffective and protects the carefnoma cells from destruction by normal blood

The important question as t whether these variations from normal are cause or result of carrinoma has still t be decided in nort.

Stomach a d other I ers that are frequently the location for carcinoma differ from ormal thane in that they lack the cell destroying faity code

Ronigendration, which from result in cancer may neutralize this cell-desiron by acid in the atim. The cell-destroying cid is latting in places here carcinoma poean easily even before the peaance f the archoma. The lark of the caltherefore the regarded as local prerequent for cancer.

It has been determined that in contradus action t normal unleoglobulin, the pathological rice globula has the property of tiracting carboly drates t it from the serum and accordingly those substances that are found in special bundance in carcinomatous times. The acleoglobulin seems t be the subst nee that provides the carrinoma th Its special nutritive material. It has been deter mined how the pathological unleoglobulin is formed from normal pucleoglobulin. The extracts of vari ons oncers from carcinom tous individuals can be added t normal periogiobula solution authout changing its actio upon carrinous. B t of an extract from the contents of the small intestine of carcinomatou individual be added t eurlobulus solutio it takes on the chemical and biological properties of carranomatous circ globulin and exercises protecti action on the carcinoma cella gaussi normal serum Thus acti substance of the intestinal contents has been reolated. It is a hitherto unknow unsuturated fatty-acid combination that is found only in the small extestin of carefromatous individuals. W must therefore assume that the katabelian of food in the intestin of carcinomatous subject is pathological, giving abnormal subst nee which causes bnormal protein compounds and thereby pathological stat of utrition of the cells.

Ihmori, M. The Disappearance of Round-Celled Seriona in the Course of Eryspeiss (Venchaholm sizes Rouderformationes in Vertal case Eryspeid). Nippea-Gels-Gelbu-Ersik v. p. nt 6; By Zuottabl. i dec Chr. n. Corageb

A wome fifty-six permodage as operated pose for an owner, cyst of the right side. A tumor the size of hear egg as found on the left node of the multifluxs. At the end of the months it was as large as child far it was then ritipated. After short time tumor large as fear ith nodular surface respiesared, crompanied by severe pain. A hemocratagic crystylesis bollossom set in and with! week both the tumor and a metastain in the inguinal glands disappeared. Although the patient recovered from the crystpelas, she duef from exhaustion.

Citelli S. A Very Usef 1 Method in Treating Hysterical Aphonia (Sor use nothods treating poor goa'rt 1 phonis hysterique) T Internal Corp. Mai Lond 9 3 tog B Serg Grace LObs.

Cited method consist in making very strong pain! I and ridden pressure when the patient is not expect. If no the latter to come if the hydric the thoroid street pain in the first it fingers of the right hand street are girt in people of the right hand street large with the first. The pit was not the right hand street are girt in people of the pain in lead, with the felt. The pit was not hen demands in load tone of vice that it years do the patients right three of obtains it has morthal that of conclosuress. Set all me erras has normal voice.

Smith G M Morphological Changes in These with Changes in Environment Replacement of Serface Epitheli m f Grafted Tieses by Adjacent Epithelium. J Med. Russek, ets. mviii 43. By Surg Greek & Owl.

The ther purpose in this paper is a record number of experiments showing invasion of the sorts eyathelium of grafted times from hollow bdomland organs by neighboring rella, and to define some of the i cross which underly the process.

Operath technion Whenever possible direct implantation of one orga int pother was made by the suture method I cases in which, for took graphical reasons, direct implantation was found t be impossible the following method of transplicts tion in two stages was adopted for the transfer of times By prefigurary operation loop of intestine supplied with freely movable mesentery sewed t the outer wall of the press from which the trame was t be removed for transplantation the end of week or ten days the second operation f these transfer was performed. The time of the organ t be transplanted was resected in such manner that is center by t the point of its attachment t th intestinal loop, from hich it then recerved its new blood supply. The there was next trimmed dow to the desired size, usually from three t four centimeters in diameter and was ready for implantation \ second abdominal incision was made over the organ about to receive the graft, and the times & be transpla ted, attached t the loop of intestine and properly protected by gause, was drawn through the perit neal cavity and brought Int position suitable for the implantation. y tiesues from the gall-bladder urisary bladtkis der or terms could be readily transferred t part if the pentoneal cavity for anastomosis the

Smith article is based on the results of fifty operative experiments—dogs, and the protection of litertrative cases are gl en. From this experimental study the utbor draws the following conclusion:

ther bollow organs

Following modelastic transplantatio of part of one hollow abdominal rgan into the wall of another the epithela surface of the implanted organ may makery change in structure. This change occurs when the epithelms of one organ differs in type from that of the other and is the result of the replacement of the epithelms of the graft by another that is detried from the organ that has received the included times.

Replacement of the epithelium of gratted that of depeads upon tha change in environmental conditions. Changed physical and chemical conditions dependent upon the peculiar function of the organ high receives the graft affect out worshly the life and growth of transplanted epithelium, while the man conditions favor the activity I the replonal

tavading cells.

Whereas replacement of the epithelium [graft of tissue may follow implantation into another hole low organ, the epithelium [the same organs give no evidence of replacement when their tissues grow in contact under equal conditions within the peritoscal cavity Grooms E. Brust

Küttner H. Th Importance of Free Transplan tution in Modern Surgery (Die free Transplans tim und füre Bedeutung für die moderne Chungie) Kehrneisensch 935, § 3. By Zentraßig. L. d. gos. Chir u. Grenngeb

This article is short review of the theory and vactice of free transplantation in modern surgery In contrast to the possibilities in the lower enimal orders, and in the embryonic state of the lower vertebrates, transplantatio in man is hmited within very narrow boundaries. Autotransplantatio is the only form in which there is any certainty that the transplanted tissue will remain alive Material f transplantation must be obtained from other buman beings if the patient himself cannot furnish it. Transplantation from animals to man is now rejected. Kuttner believes that in this we go httle too far. H reports successful transplantation performed a year and half go f fibula from macacus cynomoleus to man. According t the ronigen picture, the monkey bone remained un-changed and there were no signs th t absorption had taken place.

Brock gives the biological relationship of man and the higher peas follows. () Min () reng-utan, () gibbon (4) macrous rhems and nemertrines and () miscous cyromologus. It thinks is the biological by man is about as far removed from the rang-utan as the latter is removed from the macrous therea. According to Friedenthal, man and the macrous are considerably nearer than rabbits and guines pips.

hade from the particular form of betro-transplannicion mentioned, the mly possible transplantation in man is the or bomo-transplantation. The trampla tation of entire organs by saturdra the blood vessels is successful only on totransplantation and therefore has no practical value. The timp't perform homoplastic transplantation in a

position of parablosis has not given satisfactory results. Transplantation of glandular organs such as the thyroid, without regard to the blood vessels, has shown that even in homopastic transplantation from closely related individuals absorption eventualty takes place in spate of beginning reparative processes and that only n autotransplantation can any increase in size of the transplanted organ be observed. Kutther recommendation: I macertate ormal human thyroid substance. According to Landois experiments, the separamal glands also persist only on it transplantation.

The auth considers lately the possibilities of transplanting upparenals, tester ovaries, mus cle and nerve tissue, entire extrenilles epicems, airn mocous membrane, lat, latela, teiden, serous membrane blood vessels bose periosteum, cartilage and jounts. H gree into more detail in considering the transplantation of joints from the coda or. Before using material from the cadaver which should be as fresh as possible, a bacteriological examination should be made. Two cases have shown that material can be used soccessfully transplantation of the burnier. The cases have shown that material can be used soccessfully remark-even and difficulties burnier. It is not considered that the case of the constraints of the case of the constraints of the property of the cadaver of chondrosarrouss, and further use of gret transplantation I bone from our of gret transplantation is procommended.

Hetres

Seisemski, W. W. Th. Clinical Character and the Treatment of Railway Injuries. Oper Minische Charakter und de Thempis der Diembahrerietzungen). Rank. V reck., St. Peterb., 9 3, 25, 24. By Zenrichl. i dps. Chin. u. Romarch.

The author sports five hundred and two injunies to rulined sorters observed in the three hospitals of the Nickolai railroad from 904 to 90. Of these alorty two cases were constroles with no mortality on hondred and ten, wounds of soft insures with a still mortality of five per cent one hundred and state, wounds of soft insures with a still mortality of five per cent one hundred and ninety-seven, compound fractures with mortality of thirty three per cent, and thirty-three miscellances injuries such as burns, huntfors, concussions of the brain, etc. with mortality of thirty per cent.

Stremak characterizes railway injuries as follows. They are generally multiple. All wounds are infected. 3. They are complicated by severe contusions. 4. There is severe hemorrhage. 5. The

ound surfaces are large. I just of this shol have characteristic come which the author divides into three periods. A period of shock arting from a 1 whom to wenty-four home recovery from the wound lasting from these to for adays. 3. A period of recovery of the body from in section and lateriacilou, the duration of which depends largely out the size of the size fullers. The treatment should be confined in the first period to combating the shock by giving large does of

morphine and sallus initiations of according and more. Operative procedures abould be undertaken during the second period and should be as radicel as mostfula The following principles abould be observed Wounds of the soft parts should be given open treat

In complicated fractures of the long bones. especially if the large joints are involved, operation is to be preferred to conservative treat ment. All depressed fractures of the skull shoold be trephined. In the third period general tonic treatment is most important. Warm baths and alcoholic compresses are recommended

RECEIVED

SERA, VACCINES, AND PERMENTS

Sublit Theory on T. berruffn Treatment, Legal Lond. a L dury 170. By Sens Gynec & Obst.

f the various tuberculins are essentially identical. The active principle is the protein of the

tuberde bacılı. To void disentrous mistakes in therapeutic

donner it is advisable to provide the practitioner with tuberculin in suitably graduated dil tions. The use of tuberculin for discoortic purposes ought to be condemned. It is meliable, both posi-tively and negatively. Diagnostic injections are

depretous.

T berealin treatment is free from danger only if more obvious clinical reactions are roided

In advanced cases tubercube treatment may cometimes produce certain symptomatic effect but this effect does not compare with the utility of

tuberculin in incipient cases. The general practitioner and especially the family

physician, should render himself proficient in tuber culin treatment.

The theory of the therapeutical action of tuber culin may now be regarded as well established. The significant factor is the increased production of that which Sahii has called inflammatory antibodies and the specific t bercults amboorpton

Tuberculin acts favorably only when the human

organism is not already sufficiently mader the influence of absorbed tuberculin. It is not necessary t increase the doses of tuber

cally to the furthest limit of tolerance. Many cases improve more with much smaller dose.

The large does of tuberculus recommended recently for the purpose of reducing temperature have no curative value

In tuberculin treatment we look for only stimula tion and activation of the counteractions of the body at each injection.

All localized suberculosis is suitable for suberculin treatment provided that the patient system is not already overloaded with t bercullo and be is, there fore, too seriously ill As rule cute cases cannot

be treated by t bereahn. Tuberculin treatment by means of multiple cuti-reactions has been proved harmiers and esclut

especially for incipient cases

Treatment with well-diluted tubercuin is real and areat dvance in therapeutical progress DOTALD C. BULEOUS

Von Behring, E. A New Diphtherin Antitude. (Ubwels tones Diphtherieschetzenkte) Destrois and By Zentralbi I d. gen. Chir i Grennet

This article is a short review of paper read by won Behring before the Congress of Internal Medicine in Wesheden on April 18, 013 The remody designated by him as M M or MM consists of matter of diphtheria toxin and antitorin, and represents in its composition the result of exacting expenseratel stedies made by him on all vallable animals. Pur poses of the vaccination are () To produce long continued immunity (s) To acquire authro post nous-Le native human antitoria-from highly immunized subjects for passive impunitation is place of the mual foreign antitoxin secured from the horse (a) T effect the more rapid removal of

diphtheria bacilli in diphtheria carrier

The injections are made subcutaneously and fatra more larly An exact program is given for the test After i section of the material, many antibodies are formed rapidly and there is a rise of fever Most of these antibodies disappear from the blood fast as rapidly as in the true passive immunication with the serum When the new remedy is used, however a sufficient quantity of the newly formed framer bodies remains in the blood for longer periods as protection against the durenc. In the borren that he immunized with diphtheria t vio von Behring as

able t demonstrate the presence of antibodies h the blood five years after the last varcination. In one case a child was immunated with an anthropogenous serum sained from another bild. It was found that this anthropogenous anthous

as regards to disappearance from the blood does not differ materially from the utoecoon suctions acquired in the process of active immunication. The absolute introlessoess of the remedy has been proved by the trials made hitherto (righty cases) Similar to Jenner' vaccine-therapy one t two injections of ron Behring new remady produce long-ovetraved protection gainst infection without injuries the health of those vaccinated. Besides being of eminently practical againscence, von Behring's act discovery modifies very materially our views on the effect of tord on antitorin. According to his redefinit ve ad irreverable pentralization of the t vin in vitro such as has hithert been supposed to take pla to impossible FOREST

Cruickshank, J and Muckie, T J Alterations Produced in Complement-Containing ferms by Introduction of Lectricia, J Paid & Pa arrad o 5. xvai No By berg Green & Obe

Crudchshank and Mackle report a highly technical research on the nature of complement action Lecition prepared from egg volk was rapidly added t diluted serum and the globulin and albemin

fractions then separated by precipitatio f the former with carbon doxid gas. The lecithin function thus obtained as well as the whole serum were tested as to their hemolytic power in various combinations. The authors summarize their re-

sults as follows

1 The introduction of lecithin into complement containing acrum of the guinen-pig does not material by after the complement dose in the case f rabbits acrum the complementary activity is frequently increased.

a. The albumin fractio from serum treated th lecithin is as actively hemolytic for sensitized corporates as the original complement, whil the gloomin fraction retains the property f ctung

effectively with the rdinary albumi fraction.

3. The addition of lecithin t rdinary albumi fraction after separation does not enhance the com

plement activity f the fraction.

4. The lecithin must be mixed rapidly with th

serum or with the water used for dil tion in order to produce the effect described slow dimiture does not yield an ettre lecttion-albumin fraction. 5. The albumin fraction of serum treated with

ecubin is absorbed by complement-absorbing agents it can also replace the complement in the Wassermann reaction.

 The activity of the lecithin albumin fraction is dependent upon the presence f complement in the original acrura.

 Lecthins differ markedly with regard t their power to produce the alterations described.

The withous regress that lesithin acts by reader his sciles a component of complement which is somally present in an inscrive or latent at the but they feel that this theory is not complet enough t account for the increase of complement activity when the complement of complement activity addition of lesithin. C G strike addition of lesithin.

Auer and Van Siyks A Contribution to the Relation Between Proteid Cleavag Products and Anaphylasis. J Esp Mol 9 5, 875, 0. By Surg., Gync. & Obst.

On examination of the anaphylactic lims by means of an Silva's mino nitrogen method, the subers found no evidence I an increased amount of proteid desarge products. They conclud that the investigation gives no support t the hypothesis that the true anaphylacti lung of the guines pig a caused by the products of protein cleavage.

J mas F Currentle

BLOOD

O'Brien, R. A. Rat of Reproduction of Various Constituents of Blood of Immunitied Horse After Large Bleeding. J Pathel. & Bacterel., 9 J. xvid, 89. By Sug., Gymc & Oos.

Using the blood of two immunized horses from each of which had been taken ten litres, O'Brien followed the reproduction of various constituents for

thirty four and forty-seven days respectively. He gives charts and tables showing his results, which he summarizes as follows

2 The umber of white cells varies widely and irregularly

The hemolytic titre remains practically con-

stant, the variati as being t most only ten per cent from the initial figure the total amount of salts present does not

3 The total amount of salts present does not decrease but may be increased ten per cent 4 Th co tent of all other blood constituents

falls. The hemoglobin and number of red cells fall together to 50 or 60 per cent f the initial figure.

5. The curves of total proteins and diphtheria antitorins show a close relation.

G. G. Sarrin

Heyter II Contributions to Harmophilia (Kamietische Behrage zur Hamphilie) Meit. a. d. Hamk. Stanistrunkennun 0 3. ziv 0. By Zentralbi f. d. ges. Chir i. Grenmeb

Three cases of hamophiha observed for a period f ten years are reported. The first case was that f n bereditary bleeder in whom puberty had no effect upon the disease except to change the earl joi t harmorrhage t renal harmorrhage. The latter stomped after rest in bed, diet poor in ment and the dm matrat of griatine calcium salts, serum and calcine 1 the second case there was congenital anomaly but no hereditary element Harmorrhage int the joints predominated, and was treated at host with iodoform-glycerin injections, as an incorrect diagnosis if tuberculosis had been made Ovarian tablets had no curative effects, but calcium chlorat (per cent solution, three tablespoon (uls dally) had a good effect. A severe hamorringe the floor of the mouth necessitated a tracheotomy The third case was a typical hereditary bleeder (over four generations) Effusions int the joint ere prominent. Ovarian tablets were effective Of theoretical I terest, and perhaps of practical significance, is the recommendation i ovaria-tablets and calcine. Grant made his deductions from the f ct that women are practically exempt from hemophilia. Suspecting an internal secretory antagonistic hormone, he wished to secure this ! the organ extract and diminister it to the male body Calcine is combination of calcium and gelatin the hemostypti action of the two components is well known. Besides calcine meat-free diet, milkuncooked fruit and abstinence from alcohol recommended for bleeders KRITTER.

BLOOD AND LYMPH VESSELS

Hence E. A Palpatory Symptom of Valvalar insufficiency in Beginning and Invisibil Variese (Der en palpatorisches Symptom der Klappeningsindiene bel beginnenden micht sicht barra Varien). Behr z. Mr. Gir. 19 1, Luxv 19 By Zastralbi. I. d. ps. Chr. u. i Gemagh

I answering the question as to whether valvular insufficiency of the vena saphena magna is present

or not when Trendelenburg's symptom is not visible to the eye, Heme argues that the symptom described by Hackenbruch as fluctuation abook (a wavelike motion in centripetal direction) is not to be regarded as physiologically normal, as it is also bserved when the valves of the saphena are sufficient. On the other hand, the symptom given by Schwarz,

wave-like movement in centrifugal direction, is proof of a valvular insufficiency palpation of the proximal segment f the saphena produces fluctua tion in the lower parts of the saphens. Hackenbruch a symptom of stenotic trurmer ("Derchsorite schwirtens") has also some agnificance. Home describes new symptom, pulpation of the regardtative blood stream, which is of val in petients with so-called invisible or beginning varicesnutritional disturbances in the leg ukers, and

difficulties in walking that cannot be accounted for The saphens is looked for on the inner side of the knee and its course is marked on the skin with iodine. With the patient in the borizontal position the leg is elevated and the blood massaged out of the saphera. Its trunk is then compressed in the force ovalle and the patient brought into an upright postion. Two fingers of the free hand are placed on the iodine line, which corresponds t the invisible sandena. I cases of valvalar incompetency there is regurgitation of blood, the slightest variations of

which are detected by the palpating finger at rushing eddies" (surrende Wirbelstrome) Frecrueatly they may be heard with the stethoscope. In these cases sepheno femoral apastomosis gives animild permanent results. DRAUDZ

G geenhein, IL. On Lymphogran lomatosis and Its Relation t Other Systematised Lealone of the Harmoporetic System (Dr is lym-phogramiconatous et de ces rapports et les suites Asons nystémathère de l'appared hématoporétaque). Thin de deci Par ors By Journal de Catharais

Guggenhein report tw cases of lymphogranulematoms i which he made bacteriological ad an histological examination of the glands and blood-Bacteriologically his results were negati e, as ere all tests for tuberculous and syphilis There was a allght lencocytous ith relative increase in polymorphonuclest cells

The glands of the neck, axilla, and groin ere examined microscopically It was noted that the normal rehitecture f the gland was lost and had been replaced by fibrous meshwork in high ero found lymphocytes, plasma cells, endothelial cells, and coslambiles of lymphoid rigin.

The first case was that of woman, thirty years i age, who died from tracheo-broachial adenopathy destat three operations and treatment a th racnic-The second was that of woman of forty t

some benefit had come from intenuve treatment. Guzgenhel next reviews the cases of non-specific non leukremic, non-t berculous ademopathy reported during the last ten years and finds that the following terms are used somewhat indiscriminately by various

a thora Hodgicina disease, Troumes a adentia, alcukemic lymphoma, pseudoleukemia, lymphosarcoma, lymphogranulomatosis, etc.

He believes that the condition which he describes as lymphogranulomatosis deserves distinct place classification which includes also lymphourmme, a metastasis-forming, tiente-invading and de stroying tumor and the alcukemic lymphocytoms f Vaques, or pseudolykemla of Pinkes, a condition

in which there is a hyperplasia of the lymphoid cells, and the denopathers of tuberculosis, yphilis, **Aprory** etc.

SURGICAL THERAPEUTICS

Bock, E. G. The Present Status of Biom th-Past Treatment of Supportaire Sineses and Empyema. I Interest Conf. Hol., Look. 1913, Aug. By Surg., Grace, & Oct.

The athor gives resums of his experience in treating 100 cases with the binnuth-paste method in the past eight years, and summarizes the work of other surgeom in America and abroad. Them reports represent a class of cases in which the use of birm th past was preceded by other treatment.

The urbor's own material consisted of survical cases in which all other means of treatment, surpost medical, etc., but been tried previously. Only six per cent were finally given up as hopeless. instructive cases are cited in which well-planned operation following correct diagnosis by means of tracing the airroes t the form of the iment, was effective, or when operatio was not framble, the sinuses were closed by sperely the injection of the bismuch muste. The bismuch-paste treatment falls only hen the technique is not carried out properly when the instruments used cannot meet the essential reuthrement of fillian all of the pisases at once, and when foreign bodies, such as rubber tubing the end probe, or sequestra, that should have been removed before the injection, are still present.

In the series of on cases treated by the author and his brothers there ere oo fatalities from blens the possoning due t the f et that the blamsth paste was applied properly. All fatalities from possoning reported by others occurred during the first five years that the method was in use. report of fatalities has been mad in the last year although the hamouth past treatment has been used even more extensively the before.

Beck employs a ten per cent paste in cases of cold becauses t prevent the formatio of almost and obtains good results.

ELECTROLOGY

Cannon, W B. The Early Use of the Route Ray in the Study of the Alimentary Canal. T Am River Ray Sec., Boston, 9 L Oct. By Sorg., Gymer, & Obst.

After reviewing the earliest experiments t make maxifest the contours of bollow organs, such as arteries by injecting metallic salt the a thor gave an account of the first observations of the move ments of the tesophagus and stomach seen when food as mixed with subnitrate of bism th and examined by means of the rontgen rays. Ca non maintains that the method now so widel used for examining the alimentary tract was developed gradually and that there is little warrant for escribles its invention to any one person.

Holland, C. T The Stati tice of the X Ray Framination for Ston in th Urimary Tract T Internal Cong Med., Lond 9 3 tux B Song Cnc & Obst

The author analyzes in detail the \ ray findings of or cases, and discusses the amous orditions shown by X-rays and the percent ge of ases bith each was found. He considers also the question of differential diagnosm | 1 lm b | than those of stone occurred the p oportion t in every 3.43 males and in every 4 temples cakareous glands ere noted en 8 males and in 1 in every 6 females.

With regard t kidney and ureter stones, tress is hid on the necessity f complet manation in all cases. A st ne or stones ere tound 4 out of 1603 patients examined 1 one vers 4 ees. The stone was found on the right side shi me and on the left on times the xtra once be g due to the fact that in m y cases more the one Mone occurred in the ureter or Lidney if the same

patient sometimes on opposit xies

The V-ray findings I ton wer erv I indeed, and it as sometimes difficult to determine wh ther the shadow found was really that of a stone or that of some other condition. Freq ently mall p re uric acid stones found t be present t the time f eramination and pared later were not noted in the Versy examination.

Pure uric acid stones in a kidney or ur t must be extremely rare as none wer found in any of the cases in which the kidney was operated upo after a negative X-ray examinates The umber of operations following negative \-ra examinations was \$5 and in almost all of these cases some other cause was found for the sympt m.

Attention was called to the fact that negative X-ray diagnosis does not necessarily mean that there are no stones in the bladder for in 4 out of tos cases in which bladder stones were found there was no \-ray shadow In each of these f the stone as found on analysis to consist of pure

was acid and moisture.

Langua-Barlow W. S. The Effect of Radio-Active Substances and Radiations Upon Normal on Pathological Tissues. T Intr Normal no retirement of Aug. set Cong Med Lond of Aug. By Surg Gyerc. & Obst.

There is much evidence that a destructive or injurious effect is exerted by radium and that this is bound up chiefly with the alpha rays. From the

laboratory pol t of view evidence concerning the bets and gamma rays is less convincing and in the case of the latter the opinion is gaining ground that th clinical flects that have indoubtedly been noted depend upo the secondary beta rays to which gamma rays give rise on meeting with an obstruct ing substance. Doses of radiation less than those p od cang definite destructive effects produce an inhibition thus, mouse cancer cells irradiated t a degree short of Lilling them grow more slowly on t ansplantation. It is evident that even smaller doses stimulat the growth of cells. This fact is of importance since the a thor has found small quantities f rathum lement in cancerous tissues and in gall t no associated ith cancer of the gall-bladder. where normal tissues and gall-atones not associated th ca er of the gall-blad ler showed either no radium traces a the erge of experimental error If thram had sho in his laboratory that cells I mitosus ar bout seven times as vulnerable t radi m as cells in the resting stage.

Sa bermann Progress of Radi m Therapy ind their Ray of simil, of. By Sore G pec, & Otal.

In the light f present-day knowledge the indica-tions for radrum thorapy are () rheumatism f the joint and muscles, acut and chronic () arthritis, subacute chronic deformative and gonorrhoral (t) neuralgia, intercostal neuralgia etc. (4) sciatica, including inflammation of the nerve ends (5) gout, unc acid disthess (6) takes dorsalls, dimination of lightning paims, (7) catarth of the antrum and frontal sinus (8) arteriosclerosis (9) blood diseases) constipation (t) diabetes and glycosuria and

) acplinus

The beneficial clinical results in this varied list f diseases are due to physiological actions the existence of which can be proven in living organisms. Some of the experimental results demonstrate the following facts () radi to emanation promotes the gro th and multiplication of healthy cells and the decay of morbid cells () in man, th emans tion produces diuresis (3) radio-active water stim ulates the digestive tract and produces catharsis (a) the uric cid and urea content of the rine is markedly increased (5) vaso-dilation is produced (6) the viscosity of the blood is diminished (7) the blood pressure is lowered, probably because of (s) nd (5) (8) metabolism is increased especially that of hydrocarbons (9) digertio both in the stomach and in th intestines is undered more active (10) there is nerve-soothing effect which may aid to check insomnia () sexual ctivity is increased; (r) the effect on the blood is leucocytonia followed by leacopenia with increase in the umber of the red corouscles.

The cause for these physiological effects is not so easy to determine. There is reason t believe that they are due to an increase in the activity of body ferments. At least it is easy to prove experimentally that ferment action is greatly increased by the in

fluence of radium, and a working bash it is assumed that such is the action within the human body

Radium increases the activity of ferments as would catalytic agent either starting chemnal charge or hastening the action if already in progress. The result is increased vidation of the products of metabolism. This ordation in disbetter takes the place of condition by the normal ferments the function of which is said it be desturbed in contribility and the product of the condition by the committee the contribility of the condition of which is said it be desturbed in contribility and the condition of the conditi

iten than the phycoseria. The results in orphistic, arterial changes et also are explained as being the result of as increase in the ferment action caused by the radium. One of the facts upon which this couch too in based in that in artificial neighbirs, et. the ferments are destroyed by the possons that produce the disease.

Lange Rönigen therapy i Massured Massis Dones J in M 4u 5, htt 550 B Sorg G act & Obst.

Lange discusses the pranciples underlying the Y-ray treatment of malliquarity rays his and pouns to the property of the property of the y-ray treatment is pld red upon restonal belongsal hash. If tates that the treatment of terms myoma, climateria has been successful only the massive does technique as dopted and use as made of an aluminum filter of y mm and compress soo based treatments and decremits the data.

By the manave done technique it is possible it, pays four times the errichman done it one exposure and in one sense accessing over several days, at a subject the same area [a.h.t.] from art it est times the crythema done though purrent hyperal Also by varying the rea of the also exposure Also by the artist of the Mangrent is havy be delivered it the deep times. The possibility of diministering measured massi does in rise seas of accessing the crythema design and the season of the crythema design and the season of accessing the crythema design and the s

fit. Sunanz

Abbe, R. Radi m i M ligns t Disease T Internet Cong Med Lond 3, Aug B Sarg Gynce & Obst.

The thor stated that while unaversal testimony agrees that the wast majority of superfield and some internal, cureers can be used by radiom there are all loons failures and they need to evigitation. This explanation has been also been as the state of t

gamma rays prevent growth. It is these that are the only coses that are of value in reducing malignant

It has bee proved by the French that heavy lead plat will shi tout the harmful rays od person the useful gamma ray to go through slowly and t destroy mallgrant to moor.

However by the new plan of distance filtration, without lead plate, the same, or better results are bitained in quarter of the time or less. The radius is held t distance f one and half forbes and

is held t distance fone and half inches and thus manner most of the understrable rays are excluded.

excluded.

The uthor showed also many illustrations of the wooders worked by radium— umerous cases of tumors on the vocal cords, which destroyed the sing-

tunions on the vocal cords, which destroyed the singing and speaking voice and obstructed breathing, and hich ere cured by one strong application for thirty min tes the tuniors disappeared in eight cela.

A remarkable illustration was that of secretarian

A rema hable illustration was that of gentleman on whose cry baid bead had grown many sulignant tumors for eight months. One pplication of radium by the new method of distance fillustroca sed their recopiet disappearance in twelve days. Of interest also were dimension of smallmast

destruct bone tumors curred ith restoration of the bone by burying radium in them. The earliest case remains curred nine years after the treatment, this spoke enthunastically of the great work of

the spoke on humanically of the great work of the Brit sh Radium Institute and of recent German ork the results of a bitch has a sill been corroborated by bit, on experience

Fusey W 4. What Can be Done I Cancer with R6 tgra Ray I J im M dn pry lo, 55 B Sung Opace & Chair The thou respects the partial distribut lat

which the Very me had parten underput which the Very me had a treatment of the state of the stat

of great promise.

Epitheliomas, irrespective of type may be youngeneatically cured by toutgen ray, if the sub-cutaneous timese are not deeply involved and there are no metastates. Occasionally growths with deep extension, even those involving bone and regional.

lymph nodes, respond in remarkable manner as rule those cases are the chosen for nonray treatment in which there is no involvement of repunal lymph glands. Such cases with proper treatment gr. results which compare favorrably with those of any other method. When good near case be obtained, they are builty permanel.

Following surgical removal the X-rays play an important rôle in presenting the recurrence of localization cancers near the surface. This is particu-

hely true of breast cancers in which dissemination has not taken place. The rontgen treatment is without avail in cancers. If the deeper viscera or is cases where metastasts has occurred.

HOLD E POTER

Holding, A. F. Th. Rönigen Techniqu of Deep Therapy T. im Rönig R. im Hostin 4. Oct. By Surx I we & Obst

Holding stated that () I review. I the medical literature up t 900 abows th t there h d bee reported up to that time 3 34 cases f mahigna t conditions treated by rontgen methods. The coults teenskigut varied more according t the technique than according to the morphology of the tamor (2) A review of the medic I bt rat re shows that I 667 cases of my matter t I hy ront gen methods in which the end re- it n know 376 cases ere cured and 105 w re mpr ed On 27 cases in which the nel result ere k 200 were reported cured Ind 200 ത്രാവര Ashod Aronig G we II mm ad lought p fil shed conclusi reports a t th ff t of deep therapy on carcinomas of the live breast in tim uterus cervix, and vulva. Il mm and Vught used mesotherium in conjunction to the deep ontge

therapy

A sufficient number of good result h bee imported to compel the consideration of deep routgen therapy by the leaders of the medical profession

interpy by the leaders of the medical profession.
Measured massive doses in filters and the use of the most penetrating ragin the most successful results. U measured 1 tonal three three-a-week outgon t me it considerable three-a-week outgon t me it re condemned

A reneme of the essentials fith to unitech in for the treatment of myomas arcinomas et was given as follows () the use of hard 1 be-Ralter 6-8 Wehnelt o () the tre | filter of aluminum 3 mm. thick (4) the use 1 @ er in the primary current so that dot 20 impulses per miaut may be delivered t the t be (4) the division of the skin or the st f the disease to small areas om square ad the treating feach area separately and nly nce in series (5) the administration to each area of skin f 5 tor on and one half times the crythema dose (0) firing of the rays so that the ray directed t dif ferent angles through different reas of Lin converge t the sit of the disease (7) the directing f the rays toward the site of the dreese from every angle from the front, back, ades, abov and below and (8) the administration of the treatment in series A series consists of 500 t 55 \ dounlatered on one or t days. This is fullo ed by an inter val of about 8 or 1 days. 1 the end of which time another series is administered. In myoma cases ave to six series are commonly used

I grocological cases, patients were treated for one or two days t intervals of eighteen to twenty four days, covering a period of anty t no hundred days. Amenourhors was obtained within one twooth after treatmet twas begin.

The untiration of the G usa technique will be more readily accepted for inoperable malignant conditions than for gynecological conditions. As t whether it should be used in the latter field at the determined bette personalized. The deter-

m at be determined by the gynecologist. The duration f the treatments seems to be needlessly tedious. They can be greatly shortened by increasing the size I the areas of the skin that are treated at one time.

The publication I belifinat results with such normous douges given by Gazzs was liable to diagracously stimulate the widespread treatment of disease by men sho do not measure their dosages of vays. The slogan of success in margen therapy the same as that of a v specialty technique."

MILITARY AND NAVAL SURGERY

Wolf W Perioditis from Over Exertion and Spontaneous Fractures in the Army (Uber Asstrogramsperioditis and Spontaninktures in der Arms) Desirable mil derit. Elsek 9 3 325, 348. By Zentrabb 1 d. grs. Chir n. I. Gernageh.

l criosatis from over-acertion occurs only in the or extremities, on the inner surface of the tibba and the femur. Soldiers complaining of paths in the of sure were often accused of simulating because a percentite could not be diagnosed on account of the th claess of the soft parts. I the thigh. To-day the outgree examination explains port, cases.

The author reports the case of a soldier who complained repeatedly after long marches of pains in both thighs. Examination yielded no objective nudion. The outgen examination, he ever reeated periostike stratifications on the inner side of the femar.

Chronic inflammation of the periosterm causes defective mutinoon in the bones which results in absormal brittleness. Periosithi from over-ceretion is therefore an important factor in the frequency of spootsneous fractures f the lot extremitles in the army. The author reports in detail also a case m which suspected fracture from periosithis was accertained by the V ray.

Stierlin of Vischer Experiences with the Mastisel Bandage in the Servia Turkish W (Erthkungen old dem Mattaelerethad in serbech turkischen Erieg) Cov-Bi f schselt Artss 9 5, alu, 633.

By Zentrabl. I. d ges Chlr 1. Gresageb. Stierlin and Vischer were active in the reserve

beaphal 1 Belgrade and in a field beaphal at M marite at the bettle of 31 mair off circly on the places they used ascytic visions gauge directly on the woonds, settled it with mastir aboutoned pure an ordinary piec of bandage well. Infection was prevented by this method, even during truncated then of the wounded. The severely internated and crushed wounds were dressed with ordinary game. Mach time and material were saved by employing the mastired bendage. Their solution command of 4 gm, mariti no gm, bennof and 40 drops at linesed oil. Gross Society.

GYNECOLOGY

UTERUS

Kelly II A nd Neel, J C. Carcinoma of th Lerv) of the Uteron. Hall John II plans Hesp 3, xxiv 1 By Yang Gynn & Okot

This article deals with the ultimat results as far as they could be obtained of II cases of arrationas of the certilibera, the plan it is a state of
1. The critimal bid mutal remo al of all sit fine certae 1 cinemat 1 sided her there any hope of cumplet u mot stakes the is some per call outer understood using all 1 effective This oper ton, (properly) riferened has per nost the standing the high primary mortable the greeper nitage of paramin to area of 3 therapeutic measure than his suggested.

In exploratory upons in n often necessary to the runner better or not and as operable.

3. Obesity is not necessarily contra adic total to the operation and the side horizontal lipertomy deere we the depth of the held of operation 4. The preliminary the error has of the uniter-

is abushe of especiall of t patient and does not researd men so the prohibibit of bitube and secondary infection of the uniony trace.

Theremode row of mobile to a more mending

5 Decreased rivial mobility is sometimes due t secondary adammatacy exciton and may be improved b ternation of the primary growth 6. Preliminary ternation of transferitors of

the primary gro th are ad stable in all see y E 1 ms gland is fevention to not justified, in the linercase perms I cures does not compensat for the rice in the percentage of the primary mortalit.

8. By improven 1 the tesh sque of the operation the primary metal has been decreased from 8.4 pc, cent (or the first seven as t per cent (or the lat 6) year. Further samplifies toon and perfection of the tetals of this operation may yet refuse the primary mortality? A Really that of the ordinary laparocemy and make it more recently withhole.

Aude from the discovery of the top signal factor of carrisons of the cert of the teru and t successful elimin thou the greatest boye has in the early recognition of the primary growth. This can be crossplished only by more thorough training of the fully physician as to the symptoms and again a casery and by patematic education of the fairy of casery and by patematic education of the fairy.

Klein, G. Ren Ita Obtained with X Ray Treat ment of Carrisonn of the Uterus, Onries, and M. mitte I ridge der Rostgerichtunding the (accross des Uterus, der Ovarien und der Mausen) Butter Gertlich / Opath Lille q. M.) By Zestrabi (d. pr. 6. als w. Gebanis, d. Grengich

From one to not the a thor treated six cases of cancinoms of the terms ath the Araya. The principal results ore that the tumors ore prerented from presding and the prins and decom-Positio decreased during the treatment. The com ti trest surrounding the tumor became firmer adacted as wall through buch the tumor did not stored. With improved presents and tribsique the author adaced Drs. Husch and Monbers of the M such polyclinic t. treat with \-rays size Pittern! suffering from incorrable cervix involvement and t et partients whom the carrinoms tous terms had been exturnated, total of 1 care One patient had Westbelm operation performed in January a or pre prej tab asking utentioner both ere prochlested and en terited. As result of prolonged \-ray treatment the is now

probably fire of any recurrence. This is the only once of this hand has not the other. There is no proof that the cure flected is personant, but 1 (48) at the result is credited. Those cases likely has a personal to the control of
war men hie as treated with \(\track{\track{N}}\)-x a and the blast models, or tracted in \(\track{\track{N}}\) abo of no extrametors fifther appropriate the patient as still less from the appropriate the patient as still less from the application of the patient as still less for the application of the patient appropriate applications and corresponds 1 all cases the provist has a checked, sacries formed much less frequently and the tumore became more from.

Pinkuss. A. The Results of Mesothorium Treatment in Currissons (Uber de Eriche der Mosthekanbeitniskap bei Currison) For ble Robustle, 1 k, os. Sy Zantabl. Ld. pro Prank n. Gaburtsh. n. d. Grengel.

Since September q the author has treated breated a cases of gentlal carelnoine successfully

with mesoborium. The activity of 88 mg, radium brounde proved to be sufficie t when the treatment as repeated frequently and this amount min indued the danger of injuring neighboring parts. After prolonged exposure the surface cancer cells become degenerated but deep lying nodules were not influenced and metastasis was not prevented.

not influenced and metastasis was not prevented. Success depends upon the degree of the malie nancy of the cancer the general constitution of the putient and his tendency t become cured. Fre quently centation f the gr with was produced by mesothorium, but later more rapid extensio occurred. Abdominal exposure demands great care and experience. Tumors lying near the list minal wall are difficult t infi ence. Vaginal treatment is much more simple but in this case the great danger lies in producing I jury t neighboring organs, the bladder the reter the bowel and the sterine artery All operable cases upo which f some reason operation cannot be performed are adapted t this treatment as will Inoperable cases or recurrences. Radical perations f Bo ed by prophylactic exposure to mesothorum is espetially to be advised. Mesotherium embined with the deep penetrating \ rays and intravenous t rol injections, is excellent. 71 EFFE

Ounskoff L. The Question of Cystic Degeneration of Uterine Myromas Zur Tranch wischen Degmenation der Uterumyome, Zur br. G. berrik Gyad 9, xm. lo 7 By Zemianki L. d. gra. Cynak Geboruk d Grenspib

By Zeninikh I. digra Oynak 'Geberah d Grenargho The pittlent was a woman 30 years I sage. She had had one spontaneous delivery and one hornor for over yes the menses were repair ve month more profuse than before and she complained in greatly weakness. Fe serveral months human-they persisted without creating the abdomen because relarged and it general weakness increased. Examination showed a tumor arriang from the term or the over Y at operatio elastic tumor the size of child head was found it was multi-localized months of the profuse of the over the overy At operation elastic tumor the size of child head was found it was multi-localized months of the over the overy at the present of the over the overy at the present of the over ice of the over the o

In the mesometrium on the right terine wall. The patient recovered.

Examination of the tumor sho ed it to be the constant of the tumor sho. If croscopically the tumor tissue was different from the smooth sunculature of the uterus. It comsated of cells with round or oval nucleis and the stroms was poorly

developed Several places with aboved located strands of amount muche fibers and connective times benefits.

The cause of the degeneration was prove tritton, such as occurs in thin-pedicied, subserces, or intuitisamento myonas. The symptoms of such degeneration are not one of the pedicing of the cause of the cause. The growth is not period to the cause. The growth is not replicated in the provided of the cause of the above respect to weathers.

enlargement of the abdomen general weakness, and the danger of sercomatous degeneration are indications for operation. Ginasuz Langes Experiences with th X Ray in the Treatment of Myomas and Metropathias (Erfahrunges mit der Rontgenbehandlung bei Myonen und Methropatien) Mutackes med Wichmids 9 3, 14, 740.

9 s, ft. 740. By Zeatrafbl. I d. ges. Gynak. u. Gebertsh. s. d. Greangab.

Twenty-four cases of terme myomas and fifty cases I harmorhagic metropathies were treated with the N-ray. The technique at first was that I albern-Schonberg. Later 3 to 4 mm, aluminum filters were employed, and three fields in the lower than the start region were emposed. In severe case the starting region were exposed to a severe radiated, lead glass tube being imploved for the vagnal application.

severe injuries were observed, but skin pig mentatio was frequent Intoxication phenom can were extremely mild. There was and sympt ms of ovarian insufficiency were not ma ked. Of the fifteen cases of myomas carefully observed, eight resulted in amenorrhora, at in obgomenorrhera. Il of these fourteen showing def mile retrogression of the t mor. The fifteenth case resulted in failure due t imperfect technique. Of the thirty nine cases of metropathies, thirty-four resulted in amenorabora, nine in oligomenorrhora, m remained unchanged, and one was ggravated aginal total hysterectomy had to be per eo that All I the seven fallures must be attributed to the insufficiently developed technique that was employed at first. With the present technique o fallures have occurred. Improvement began after two or three series of exposures.

Pi knes. A. Mesothorium in the Treatment of Harmorrhagic Metropathies and Myonnas (Des Mesothorumbelandings be himorrhagischen Metropathien and Myonen) Desizaka sed Wichasek 0,3 ktyl, 0, By Zentraliki i d. gra. Gynak n. Octortab s. d. Grennych.

The mesotherium treatment of homorrhagic metropathies and of homorrhages due to myomas is valuable addition to our therapy. Similar the action of the Vrays, the hard rays of mesotherium produces gradual atrophy and actronia fith varian there and therefore, indirectly an oil.

variant there and therefore, indirectly an obgomenorbors or an apportion. A direct influence upon the terile wall for pon the turns has not been demonstrated and is not essential. The method of applying the treatment is fadvalues.

vantage 1, the physician seasons are the patient the mesothorium is placed his to we sho patient capacits and everts his infl ence upon the fail in the capacits and everts his infl ence upon the fail from there. The author has not employed the furns externor, patienties, as with that method the branching the present of the thresh will add consequently are well of the thresh will add concession a direct effect upon the uterns and tumor necessary.

The treatment is indicated in those cases in which no improveme t follows curettement and cauterina tion. Malignant degeneration of course must be excluded by a careful histological examination. Patterns approaching the mesopause (to press of age and opportule) are the best subjects since the reproductive nucleotics are injured. The appropriation lockdent to ovarian attophy are bout the same as those that occur after operative castration and are mid. The author believes that this new method will supplied operative procedures.

Il koljernsky F. W. Uterine Scierosia, Arterioscierosia Uteri and Its Relation t. Uteriotical Science (Inc. Cebarnout erokierose A. 100c/srosia uteri, said derro Zusamorchisar zas des Leroschitzostes). Artis f. G. said. 9, 3, 21. By Zentralbi I. d. pr. Crauk Cebaruh. d. Gerageb

The author discusses they difference bet een infectious mentritis and acterous stert, both of which can be acted to the control of the contro

the oteru and the blood vessels The dependence of tering hemorrhage upon arterioscierosis terr has not been generally recognized, but the majority of the investigators are of the openion that the changes in the vessels play the chief role. Differences of onlinon, tall exist as to the condition of the clustic tissue in arteriosclerosis All investigators, however agree that it increases in amount. A minut description of three cases charged by the utbor is given I these the uterus was externated on account of acoutrollable been orrhages. In all three cases the typical pacture of the so-called scierosis uteri or its vessels were found and also necrous of the vessel walls author considers the hemorrhage a result of the changes in the vessels due to the drappearance of the elastic elements in their walls MAG

Ziegenspeck Chronic Farametritis and Dispiacements (Farametrit chronic and Larenandrusem) Desichs Grafitch f G seir Halle

0 h M y
Ry Zentulli (d ess. Gypalk Geburnik, d Greuneb

Elegraspick expanses himself as opposed to the wive recently appressed that there is no such thing as parametrisk chronics and that such modifies are really due to chronic peritousite. If points to the parametrisk across purposation of Vitebow which parametrisk across purposation of Vitebow which parametrisk across purposation of Vitebow which parametrisk properties are also parameters of parameters are below with of Konthorn, Personal, and his own work, and refers further to the obless points in the differential diagnosis between parametria chronica and pertocalitis mentioned by Schulze. T the latter he adds three new point. () an apparent downward bulging of the ragical vault on the affected side (), a morability of the faced uterus in the direction of the domester of the period in parametritis, whereas in chronic pertecution the movability is more in the direction of arguents of a circle and (j) the facet that the purmetric induration can be seen with the aid of a grooved apreculum.

I regard t treatment, ventrofuzilos occordina to the method of Brones is to uncertain and too for midable a provedors. Princial proposed keeples ang the fold of Dongias by implanting into it pertonemen from the omentom. To cure sas indomrates of connect we thouse he does the sam thing as is done when peer of sidn is implanted for the correction of Duppyures contraction of the pulsars aponenrouls. Marsage and stretching is ethologically the correct method and cure results is about time.

Rusonkova-Swowltsch, A. A. Mud and Mineral Baths during Menatruation Schlams- and

Mineralbader Ehrend der Menatruntom) Zürler f Gebortob Gradt o.g. 2018 783 By Zeonralbi f d. gen Gynth, Gebortob, d. Grennigh.

The author reports the sents of the employment of warm and bot baths in cases during measuration. Eachly were cases of dynamonrhous liter conclusions are as follows:

Mind haths, warm or bot, regulate the bleeding. The duration of the period is not influenced very much, ad it shortened rather than prolonged. The pains either cease entirely or are much

decreased.

3. The general condition is not influenced unfavorably

According t Strandurger the favorable inducers enerted by the baths is due to the fact that they funds: the size and in this way produce a contractio of the peripheral blood venichs. The contration soon disappears and is followed by a dilutative of the blood venich of the skin and contraction of the years of the internal organs. Omnesso.

Sweepy T T Leukapinkia Uteri. Am J Old., N h o j hvm sij. B; Surg Gyant & Obst.

The author reports in detail a rare case of technologian of the creek, giving the interprand the pathology and gross and microscopical drawings. Has cereaves the night exist reference to the right cases that have been previously reported in the Herstiers. He draws attention to the tembersy of lenkopitable to cancernous change and in onegration of the affected area. N. Season Husser,

Ricck, A. The Indications for and Technique of Defundatio Uter! (Zu Begthelung and Yahari der Defundatio ster!) Framerst, 9 1, 2001, 12 By Zantriki I d gr., Cyuli: Geburch, a d. Grenych

Oblique resection of the body of the utersa is an operation for the relief of profuse menutrual periods

and is called defundatio uteri. The author em phasizes his priority in devising the operation. The advantages of this procedure over that of t tal entipation are (t) the much shorter time neces-sary to perform it, so to 45 minutes, and (s) the much simpler technique. The size of the uterus, adhesions, and even pyosalpinx, need not con tra-indicate it. The extraperitoneal method is to be preferred. By it peritoneal irritation and the other disturbances that follow total extirpation are avoided. The stump into which b t few ligatures are placed causes no peritoneal irritation, but suppurative or fetfel inflammation f the extraperatoneal wound does occur The principal advantage lies in the fact that menstruation is mai tained whereas in total extirpation amenorrhora ensues. Unin terrupted recovery is the rule. SCHROEDER

ADREXAL AND PERIUTERINE CONDITIONS

Helmann, F The Internal Secretion of the Overles and Its Relation t the Lymphocytes (Interselectorische Funktion der Overlen und sire Besichungen zu den Lymphocyten) Zischr f Ge-

berth Gyedh, 9 3.1 un 315 By Zentralbi. I d. ges. Gynak. Geburtsh. s. d Grenngeb. The thymus has the power to increase, and the ovaries, the power t decrease the number f lymphocytes. An increased internal secretion of the ovaries leads to a decrease in the number of lym phocytes, and a diminished secretion, t an increase in the lymphocytes. Helmann determined that in the intermenstrum the normal umber f small per cent and that hymphocytes is from 8 to daring menstruction the number is considerably increased. An increased umber of lymphocytes is found also in processes which cause hypoplasia, or disturbed function, of the overses, such as amenoutlons and the climacterium. However after the menopause has existed for some tim decrease is noted. Cases of inflammatory adnexal disease which are accompanied by fever can ot be used in these investigations. I afebril adnexal disease the number of lymphocytes decreases, and in varia tumors it increases. The number can be markedly lowered by the use of oversian extract. Bu by

A Case | f Sercoms Developing Within Teratoma of th Overy with M testages in the Great Omentum (Lin Fall nes memen Fern tom des Ovariones entetandenes Sarkoms mit sarkomito-er Metastase im gross Nets / sir ald f allg Pathel, pathel from a tit 45 By Centrallil, f. d. gra. Gynak Gebortali d seenrach

Most of the sarcomas involving oversan teratomas have originated within the ovary and awaded th teratoma secondarily Sarcomas developing a thin a teratoma are f m ch rarer occurrence.

The author reports case belo ging t the latter the. The tumor was the size f child head and consisted of a unifocular cyst maide of which at four different places little tumor nodules ere developing. The metastatic t mor fou d in the omen

turn was the size of a man a head firm and solid. Microscopically the walls of the cyst showed the picture f genuine teratoma, and the isolated nodules, the picture f a spindle-celled acrosma. The metastatic tumor showed the same structure En LEEL as the primary tumors.

Ulesko-Strogonoff Carcinomatous Degenera tion of Ovarian Cysts (Zer Frage der cardisoma toen Degeneration vom Ovarislevstom) Russi-l ach, St. Petersb 9 3 xii, 604 By Zentralbi f. d. ges. Gyssak, n. Gebortsh a. d. Grenngeb.

During the last four years two hundred and two ovarian tumors have been operated upon in the Gynecological-Obstetrical Institute of St. Petersburg. Ten were solid tumors and one hundred and ninety-two were cystic tumors. Of the latter eighty-si were simple cysts, thirty-one, cystic embryomas, fifty-three, proliferating cysts, and twenty-two cardinomatously degenerated cysts, Thirty-three of the problerating cysts were gland ular and twenty papillary I the opinion f the author the carcinomatously degenerated cysts originated from the proliferating cysts.

From his examinations of these cysts the author draws the following conclusions () Proliferating cystic tumors are transitional forms between benisn tumors and tumors undergoing carcinomatous degeneration () the epithelial hyperplasia which characterizes these forms above this tendency toward mangnant degeneration (3) the relation of the proliferating cystic tumors to the malisment cystic tumors proves the origin of the latter (4) in the cysts showing carcinomatous degeneration, proofs are evident that they have developed from pre-calcular profiferation cysts.

Balsch The Removal f Blood from th Peritoeal Cavity Following Rupture of th. T be (Zer Behandlung des bei Tubenruptur in die Banchhoble ergovenon Blutes) Housink f Geborisk u.

Greek, O J. Everb 714. By Acetralbi f d. geo Gynak. Geburtah. d. Grenzgeb.

Baisch recommends the complete removal of all blood from the peritoneal cavity in cases. I harmon thage following a rupture of the tube. It should be Il ed to remain only in those cases in which the patient condition demands h rried operation if considers the presence of blood in the peritoneal cavity as an added I ctor I the development of peritonitis, since blood is an excellent culture me dium It aggravates the subjective symptom d ring convalencence and increases the danger of post-operative adhesions.

Hennes, W. Affections of the Ad exa I flam matlon and T bal Pregnancy (Die Adneser matton and a not rregularly (Die Adhexer krackungen Entrandingen und Lieiterschwanger schaft) Dryche & Chr. s. Orlikel 9 j. vi. 600. By Zentralbi i d. ges Gynik Geburah d Grenzgel.

This rticle is based non observations made t the gynecological clinic in Bredau. As causes of the inflammations of the adness ere found the conococcus, streptococcus, taphylococcus, diplococcus landolatus, bacterium oli becilius typhoses the tabercle bacillus, actinomyces, and reiedlander's bacillus. Flity per ent of the cases. were due to the gonococcus and only four and one half per ent t the tuberel bacillus II anes believes that when d rai affammation i a companied by ppendicitis the latter is secondary to, and not the cause of the former 1 cording to the pathological natomy he classifies adness! in flammation but t large groups () Those th exudat formation i the lumen of the t be and the formation of la tousiren () Those ith pent hal inflammation ad the formation of umerou ad The latter form a often only lat at se

of the frace I discuss g the diagnoss the the recommends put I the pouch of Dangles but this should be done only but there no suspection of the prix re of t bereulous. The preparation of gonococras vac ne he perts if he of great value the different if diagnosis. The local rection fullo ng the jection of old t ben ulin ble of ar a diagnostic rates 11 d in b and ad tree agai at curett ment for Lugnostic purposes as mont bereit in affection of the diseas may

react lolently t such procedure

He nes believ th history that forb infam matory unditions at not tangere f opera tive interference and that the later broom toflamm tory condition to their summally the mor conserv tive need the operation by and the better ad mor purmane t the result nine t t el e months band at complex di have become tende. If the unditrings demand an int rierence during the at t at ge the belomissi to t as to be preferred as a permits more conservative operation. The thor timberes pa-ticular aine t the V-shaped ex usus of the 1 rine ends of the t be and reful tre of the same in case the uterus an he saved other cases, ad

ben there is much dhesson the methods of I were kelle and Beuttne ith pre sous kembertson of the uterns, greatly f cult—the resertion of the adness from this point for drunger purposes, which is indicated only in 1 berculous, the utbor employs the tampon through the lower nale of the bedominal all in cases in h h the presence of infectious pas a suspected, or in bich own g takes place In cases in high the timbrial extremity is closed only by the formation of adhesions around the tube he advises the sulphroscomatophastic operation t permit the possibility of later preg

In discussing t bal prognancy the author ad vises the employment of pencture of the pouch of Douglas for the differential diagnosis of human ocelo and perforative ppendicitis. In cases of internal hemorrhage be advises immediat lanarot omy even in collapse, with careful removal of all blood. Even if there is no internal harmorthage, h

recommends operative treatment in all cases of unruptured tubal pregnancy in raptured pret nancy and in hematocela in which there is recur rent harmorrhage and in suppurative harmatocele. The resection of the other tube to prevent necesrence of ectopic pregnancy is not deemed fustinable on the contrary he advises the salviagostomatopiasti procedure on this t be also, that

later ten e pregnancy may be possible.

EXTERNAL CENTRALIA

Bondy O 1 tinal Societia d Endagenous I fection (Schreical class and endopene lafektion). The fortunts at G att 3, Ireal, 604 B Zen tallel d gen Groat Gebartsh. d. Grougeh

The utbor ttacks principally the views of Bumm ad Sigwart gard to endogenous infection I strict separation of the germs of the external pr stalia from those of the vagina is impostible. If d sputes the statement that saprophytes are at 1 he found in women who have not been subjected t aginal xamination il does not recognize the ter hines of Bumm and Signart concerus gibe pathogenit of the raginal streptorocci on count of their defective animal virulence The question I self-sterilization of the vagina should be tirely dropped, for as soon a the enviousness infection commences during labor at the time of the rapture of the amnintuc sac the power I self-disunfection I the vagina ceases on account of the changed composition of the variety MOCKET NO.

Jack, W. R. Vacci Therapy in the Treatment of Gonococcal V tro-Vaginitis. Glerger If J. By Surg Groce & Oles.

I the cases treated by the author the results obtained ere as follows I cure we effected in three cases us the first two after two ad balf months of treatment, and in the third, after over three mooth of treatment I another three cases the condition remained uncured after t o months of treatment another after five months, ad to the third after more tha five mont by

The results in this short series is disappointing although there was marked lessening of the dircharge and freedom from the irritation bich often found when accines are not used. The very f vorable reports high has been at en by some

thorstee have not been corroborated by other in estigators. I the \anderbult clinic two hundred nd sixty cases ere treated by the irrigation method and eight cases by vaccines. The percentage of recoveries was girty with the former method and minety Ith the latter. The time required for cure was o months with the irrestion method, and 7 mouths with the veccine method. These statistics are very encouraging, but the uthor besitates to ccept them, since other authorities give no such

encouraging reports. The most that the uthor dains for the vaccine treatment in cases of vulvoremeitis in children is that it causes a marked amejoration of the symptoms and lessening f the discharge. J H SKILCA.

Bolmann O The Iodin Treatment of Gonor rhosa in th Female. Intert. M J. 9 3 vx, 733.
By Surg., Gynec & Obst.

In the acute cases a smear is made from Skeen glands and the urethra, and several from the vagina and the vulvo-vaginal glands. When the cause of the infection is found the labia are separated and the parts exposed swabbed with a sol tio f 3 5 per cent loding crystals in 95 per cent alcohol. Next, few drops of the solution are injected into Skeen glands and the vulvo-vaginal glands by means of a hypodermic syringe with blunt needle. The agine is then swabbed with the patient in the Sim's position and with the aid of Sim's speculum. A strip of gauze is next introd ced.

In protracted cases in which the cervix and terus are involved, the ervi is first painted and then dracken of the lodine solution is injected under low pressure int the aterine cavity. This is repeat ed four or five times every three day

In all cases copsous hot douches are go en f llowed by 5000 permanganate solution. The bowels are kept open by catharain Tea, coffee d alcobol are forbidden Error (

MISCKLLANKOUS

Callen, T S. Address in Gynecology Land.
If Ass. J 9 3, in, 655 By Surg Gynec & Obst

The author presented this paper to urge the mediral profession to bring before the laity the necessity of an early operation in cancer That the campaign hick has already been started has yielded results a shown by the communications the uthor has received from different surgeons. Il states that it is the duty of the medical professio t impress pon the laity the fact that cancer is a local process which can be cured if taken early enough. If behaves that the same change of attit de an be brought about in regard to cancer as obtains ow in regard t appendicitis. Twenty years ago t as difficult t personde person to be operated f ppendicitis. To-day when the diagnosis has been made the first question is T what hospital shall I go"

The author next discusses the diagnosis f cancer of the skin, lip, tongue stoms b intestme rectum, breast, and uterus, touching upon them lightly II quotes two cases in detail of myomat of the terms th adenomyoma of the cervix and rectum, succlated with rectal dhesions and denoma of the left broad figurent intimately connected with the rec

He urges the practitioner t become ell informed in regard t the pathological and anatomical struc tere of the part affected, so that it will be possible for him t know the paths along which the cancer usually travels. It would be folly to operat a case of cancer of the rectum if the liver were involved.

Cullen further urges that homitals become more business-like in their methods, also that cases be followed so that the result of the cancer operations can be definitely known. He suggests that a special clerk be assigned to follow up cases of this kind and report the results of the operations.

EDWARD L. CORNELL.

Pfahler G E. Röntgenotherapy in Gynecology T Am Rang Ray Sec., Boston, 0 3, Oct. By Surg Gynec. & Ohst.

Rontgenotherapy in gynecology is now recognized as a valuable factor in the t catment of uterine fibroids, term hemorrhage f metropathic origin, and a umber f ther affections to a lesser extent.

uthor experience in the treatment of abronds limited t y cases, extended over a period f ten years. The greater number of cases occurred during the past seven years. The results were most satisfactory in that a menopause was produced the bemorrhages were controlled and the tumor gradually disappeared. In some instances the tumor co timued to disappear long after the treatment h d been stopped.

The treatments were given in series, each series involving full dose dministered through four different areas of the skin. When circumstances demand it these four areas can be treated either in ne day or a four different days. The treatment is then not repeated until three weeks have elapsed. A cure usuall regulres from four to six such series of treatments.

The following conclusions were drawn

Rontgenotherapy is the method of choice f harmorrhage in patients approaching the menopause in whom carcinoma can be eliminated. It is not the method I choice in patients under

forty years f age.
3. It can be recommended in all cases of any age hich operatio is contra-indicated.

4. For the differential diagnosis, in order t determine the indications for this treatment, special skill in gynecology is required and for the proper administration of the rays, special training in rout gen technique is necessary. It is possible for a gynecologist t become rontgenologist it is also possible f a rontgenologist to become a gynecologist, but it is very unlik ly that either ne will master both. Therefore the uthor believes that each case should be vamined by a gynecologist and treated by a routgenologist.

Heinster, F The Cystoscopical Diagnosis of Ursterni Calcul nd the Removal of It by the Veginal Rout (Uber die cystostopische Di grove cines Untersteins und seine Lattersung uf vaginalem Wege) Zinchr f Geburtish, u. Gynek 0 3 limbl. 441.

By Zentralbi, I. d. gra. Gynak, u. Gebortab a. d. Grenzgeb. 47-year-old female patient, who was taken

Ill with right-sided colle and chills, a calculus in the

lower portion of the ureter was diagnosed by means of cythocopical examination. The stone was removed by the vaginal routs by exposing the strete in the left parametrism and incising it. Uniterranted recovery resulted.

8q let J B The Modern Diagnoris and Treet ment of Gynacological and Obstetrical Patients with Syphilia. Y J J 9 2, zova. 357 By Serg Gynac & Obst.

The author dwells upon the bloopfield diagnosis of syphian is greeological and obstactical patients by the complement frazion and hertin skin resources and provinciares skivstan administration. The consideration of greatest importance is the superince and dependability of the bloopfier who vocious the texts. The value of ciliated oridence as well as the worth of diagnosis treatment should not be lost sight of when such evidence conflicts with laboratory texts. Treatment brought be initiated as soon as diagnosis has been made. Synice uses poculyarian almost entitley.

Acoustivarian has the following advantages in compatition with salvarian () It is more simple to perpare () it mutualizes th number of preparation ingredients, thereby educing the possibility of faulty technique (g) it does not require as large

volume of field for miection.

Conditions occasinating carries in the administration of secondaryans are chronic desolutions, superarditis, artestooderous, and insiens of the cerebround system. The secondaryans medication is supplemented with a intensive mercurial treat ment continued in cartee cases from air mouths t a year and in later cases for air mouths to a year and in later cases for a somewhat longer period.

The a thor sizes up he conclusions as follows:

(I) Treatment bound to begun the amount diagnoss is certain (s) t insure soccess it must be as increased as regardless of the control of t

Sigwart, W. Bucteriological Control of Assessin During Cymecological Lapuro emises (Das bit, tensiogracie kontrolle der Aspens ber genekolopyrien Leparotomen). Irak f. 6 mil. 9 3, 2015, 81;

By Zestrafal f d ges Gyank Geburuk d. Gresageta

The hectanological control was extended in Binnan edition to that not only a boufflow culture was used in the three-spough test, but the number her of germs present was approximately determined by cultures on agar plates. This control was carried ord in 1 4 askey belowmend operations. I 26 per cent of the sacytic operations the interrelal content was mail. Surphotocod were found only twice as

bacteria in all other cases. \umerous errors on always obtained from septic operations, the standy lococcus albus and aureus and the hardles rele predominating. Streptococci were found twentythree times in seventy-one cases. This difference was plainly marked in the healing of the wound Not a single disturbance in the course of healing was observed in splt of the presence of structocord A positive prognosis as to wound repair causet be made from the batteriological findings at the time of operation. The investigations, however fundly the conclusion that the healthy peritoneum acrommodates itself to a relatively large number of weak viculent germs. Connective these wounds must be carefully dried from blood, all bleeding and coxing stast be arrested, and all wounds must be carefully covered with bealthy peritoseum, the visceral coat being used eventually for this purpose.

J Bett, JL The Surgical Treatment of Pairic Thrombosts of Septic Origin. Surg Grace in Ohm on the Late B Rong Grace is Obst

The treatment of peoperal premis in of sach contracts that any procedure that either any boy of a supproved mortality say in the depth of the supproved mortality say in the post of the process of the process of the post of

In the first case on the lifteenth day swelling was found in the right broad ligament. Hopocothe abdomore and removed large thromboned and supporting owners were round hich was a considerable amount of ordulitis. The petient rapidly

improved.

I the accord case he did not operate until the thirty think day as owing t absence from the hospital, he had not seen the patient before. I this case he removed a tense cond-like structure, which turned out to be thremboard oration activy and he also removed the areas vens which considered was all thromboard to its lower part. The particular distribution and the particular distribution of
tient had a few rigors after the oper tion, but they

disappeared, and her temperatur fell to normal and

remained so
In the third case were similar condition t that
met with in the first was found t operation, complete
was on the poun of meriting
was on the pound
was on

The author describes also two cases of pyemia without obvious thromboals. In the first case he performed a hysterectomy b t without benefiting the patient. In the second case he tied the ovarian with and recovery beray at once and contined.

veins, and relovely opin it down an obstance when an incoming the state of the control of the co

Lampé Basedow Disease and the Genital Organs (Basdowche Krashbeit und Genitale) Dentarie Genifick J. Gyald Halle 9 3 M By Zentzilbi, Ld. ges. Gynik u. Geburtsh d. Grenngeb

87 Settable I. d. gen. Gyask n. Gebertés d' Genergie Il li evident from the literature and the reports of Frankl and Graff that there are clinical facts which infinite relations between Basedow discuss and the results of the hypothesis changes of the service, it is the hypothesis changes of the service of the hypothesis of the linking decrease in the f trooling it be

oraries. Particularly in permanent oversus hypophata we do not know whether there is really appointed, an afunction, or eve do-faunct! of the overy for the matemical character i an organ does not permit of a concluss as t is fonction. For this reason also the belief in the erast nee

of relation between Basedowa dhease and the oraries based merely on the clinical facts bove mentioned would for long time have remained mere theory if we had not acquired method by which hay obtain an insight into these complicated relations and determine an existing owners dry-

faction positively. This method is Abderhalder protective fement rection, and the theory powhich it is based is as if lie a. If in Basedow's distribution, the activity of the ovary is qualitatively distincted, i. a. If the ovary gives of an boomed substance into the blood stream the organism as whole should react to this prod ct. I dysfunction,

hich is foreign to the blood, by producing protective ferments against it. These ferments ought to be detected by the Abderhalden reaction.

Proceeding from this theory is blood of nations.

Proceeding from this theory the blood of patients soficing from exphihalmic poter was examined for protective ferments. The serum of the patients was brought into contact with thwood gland, thy any own; textick it kiney adrenals, and first patients.

By the use I the ninhydra test it was determined which of these organs were split. The thyroid gland was smilt in all and the overies and themus in most of the twenty five cases of genuine exophthalmic miter on far examined. The tests with the other organis were always negative. The results f these tests are t he explained as follows (1) The first shoomal sten in exochthalmic softer is a designed tio of the themid sland (t) Also in most cases the functioning of the thymus gland and the ovaries a shootmal. In most cases of Resedow's disease it is possible not only to demonstrate the funct one changes, but also t determine the nature f the abnormal function. The operation now anses as to whether the dysfunction of the overles

exophitalini gatter is primary or secondary. It seems evident that it is secondary disturbance. The product of dynamic locating thyroid gain has constructed significance, which means that it invades the ovaries and influences the artivity so that desturbance of the ovary is indicated by a to the symptom of exophitaline gatter that disturbance of the ovary is indicated by a to the symptom of exophitaline gatter as if ering from exophitalinia which was first more and exoded by Il Colingren, and which determine those and sucked by Il Colingren, and which determine

as shormally long persistence of the epiphyses. The well known investigations of Sellheim concerning the infloence of essimil the growth in the bones permit as it regard the disturbances of the germanic plants as the cause of the delayed coefficiation of the epiphyses in the long bones of patients suffering from expolitabiling opter.

Gengenbach Precocloss Menatruation J (m V 4st 0 ; bd, 563 By Suzz., Gynec. & Obst.

The report of case if pretocious menatruation is given with a discussion of its probable cause The patient, a child two years of are, bottle fed, had the first menstrual flow lasting three days, when a months old. Menstruction recurred at intervals f one to three months, most frequently at intervals of six weeks. For a few days before the periods a of the worst. For a new mays better the persons a slight leurorshoes was noticed. The child was cross and acted as if in pain. The peculiar men-strual odor was very marked. It was necessary for the child to wear napkins during a period of about a week. Its weight was 41.3 lbs. and its beight, 30 inches. It had 8 treth. The circum ference of the head was 10 inches. The measure ment of the chest below the breasts was ginches and across the breast, 23 inches. The abdomen t the naval was inches and the pelvis at inches. The breasts were noticeably prominent, and there was a growth of hair under the arms and about the external genitalle.

HENRY SCHOOLS

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lower portion of the ureter was diagraof cystoscopical examination. The moved by the vaginal rout by expo.! in the left parametrium and mehing rupted recovery resulted.

Sq ier J B. Th Modern Diagno-ment of Gynecological and Of tlents with Syphilit. \ F H

The uthor d ells upon the bioli ) phili in gyroccologi al nd obst by the implement fixate tions and privocating and arrange The consider to of gre 1 st Imp. experience and dependability of th conducts the test. The after of ci ell th orth I disgnostic to not be lost angits of he wish sid to laboratory test I too t should soon as disgress h becomed neous man import ent 1

onlare ha عنا طاليا companies that 4 prepare ( ) t m nimu H ingredients thereby arbe fulty technique 14 i z the ict n

volume of fluid for tes Codth pre t g tr tio of pensal area l ma h unic cardi rtenova k ov n l k son anen al item The me Il arres supplience t t th ment 1 ned × 100 401 ] CI.

× 1 m = period The the sum the each () Treatme ( should be ) go th Eta is ert . t ann wuhth im a th and mer ry higher and I the tient phanal mit in ii aff circumst a should the physic

treat dive w 1 with by eid fluenc the thank a co the prese t one pr f the m thream

All art N Bac emolegical Co During Gy ecologic [1] pur notionable has the h EMB 14 1.-HUSH 111 244 By Zentralbl ( d go

The bacteriological outrol Summ clinic so that not only ras used in the three sponge te-

er of germs present as approxic y cultures on gar plates at the 4 major beloemmal oper ent of the aseptic operations th es armail Streptocico re fou.

interroption of programmy. The kidney storm praisely closed and the patients went on to sport - Legite and h -0.1 Raile it is obvious that surgical interference i

act demanded is all cases, it should be carried out K3 # e dont اداء ســ Injeking E. Ectopic Pregnancy in the Oracles 4 2707 - T T I 710.

Distrocts of Advanced Cases (Intraferment) criniche Bentretariennerciale, de Beitre of sales Lieutechnervangereint, de Beine ne mineliche Dagmes vorgenheitener Film Heurek f Geberik a. Graff in zurüt, pp. By Lenniki Ld. ges. Gyatik. Geberiki d. Orengeb The author gives a detailed description of

- MEARTO ..... ecopic programer in the ovarian ligament. He e-u d from that the tube was obstructed and the fortun --ses dead. H substantlated his diagnosis by myenergical and macroscopical stammations. He \_ & W H excludes that the ectopic lodgment of the over was due to a pelvic peritonitis caused possibly by

Saliein, J. F. Consummy Section with Hyster ectumy in Comes of Positive Infection, A' Y M J 9 4 MTSE, 572 B CUTE G DO. & Other Baldela cites a case of primpers 29 years of

are at fell terms. She had had pains for t the Janes. ben the beg of waters raptur d. The pains had - 104 entirely ressed and forceps delivery as impossible became the blades would not lock. The patient بخطائله - THE was enhanted, polec 30 temperature o46° F The child was large, presented at the brow and was d the a left aler. I Cenarean section as actimed in the later est of the child and in sterectomy in the interest of the mother. By prope proced re t was boped

اله نداج to prevent infection of the perstones ca to Alow - 3, km lacrains as made and the uterus brought entirely cut of the abdomen. The abdominal cavity ~5500 - nith restorted by towels all around The child \_alon delivered rapidly. In the interior of the aterns faire secretic patch was found. The terine cavity was fested fith tineture of lodine buch ma down TOPE . 1 per la bed

through the cervis int the agens. A supravaginal r rike pushysterectomy was then completed, except that one overy was seved. The appendix as removed. - CUTT - N. O. The incision was closed without drainage. The temperature fell immediately and the patient made VI C INCE a control an answertful recovery HANRY SCHOOLS and that have

Peterson, R. The Indica ions for Abdominal Coronnan Section. Surg G nor to Olas o 3 and of. By Surg Gymer & Olas

of Vot The author discusses some of the more important and common indications for bdominal Constrain yes seed section. He divocates conservation in obstetrics water the and denounces the practice of solving all obstetrical والمتعاصور problems by abdominal Caracrean section. He is of the opinion that with the modern aseptic techgirse Cenarean section abould, in necessire, take the place of the high-forceps operation. Just, under the brading, observetions t labor what the the author considers contracted privis. He calls

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attention to the uncertainty of petick measurements and advocates, in moderate construction I to petick, that the patient be given test I labor lariests who are undoubteful inferented our repeated varioual examinations and unmorcestual varioual majoration, aboutlo not ha the below inail Cevarean section performed. In who case canabtomy is preferable. Labor ment mes obstructed by uterine fibromyomata with in may be cervical or instraligamentous in bocatio. The majority of somen having fibromyomat d not carry the child to full term because hanges occur in the decider. The Potro Cesarean section is not used been femelial output the canal. Or the carries that reduction of the use of the patients of the care of the reduction of the use of the patients of Cesare working accession form

lodication for Censure section. Senso for the end and gina due to variety or organizing at previous of the end; and gina due to variety account of the condition makes operation and with the end of the variety of the end 
Ribers severe ontested side to harmorrhage is taking place the mother condit alarmore and growing acres and the error anged as trequire coordierable times to retals two mough temps the stern better could like our used.

by a laparotomy

In discussing eclampus, the a thor si tee that be the pel is a contracted of the 1 fe or no chance of sepds, belominal (warran section has proof tendis. 1 agreesed eclampus in: ted by this method, the main rand mortably was 4 per cent. 1 3 7 cases the feet 1 mortal to only 53 per cent.

Baldwin J F Tw Un sust Cases of Ectopi Pregnancy; On Triplet J is II ( 0 1 kd, 30 B var ( no 4 Obst

The first case was that of patient thirty seven ears of age who had been married marter and ball years. She had t likiren the youngest as auteen years old. Her labors cept for one miscarriage thirteen years before t the sixth week for which there we no amignable cause wer normal. Menstruction was normal and regula period occurred two reks before. An operation was performed for a procidentia which had been ery annoying for the last two years. During the lapar otomy bilateral tubal pregnancy was discovered On closer examination two feetures were found in the left t be and one in the right. The embryou ere of the same size and about as large as peen. The pathologist reported that all three were embryos of the same ge. The second case was an ordinary tubal pregnancy HERRY SCIOURL

# LABOR AND ITS COMPLICATIONS

Gallant A E. Prolonged Precipitat Part rition Due t Disengagement of the Disproportion t Head Med Rec 9 1, laxiv 33 By Surg Gynec, & Obst.

The a ther reports five cases of normal-sized pelves in bith the rewardysted du t a slight manjoustion of the child head. With these, corcetted labo ended rapidly 1 two cases forcers acree public and as the result of a too-heavy pull, the birth was precipitated and caused a sever tear of the pernoun 11st possible by simple maneuvers to horten the labor with less danger t both the monther and the child.

The ma couvers recommended c as follows () I ternal pressure on the bintoch sat the finadous like heargerates th flexion. I the trink uponous tested of the hin upon the ternam. () settlemam () externam () externam () externam () externam () externam () to the hin personal pressure on the occiput just above the ymphysis, to the him () internal pressure on the forested with the finagen in the cervit "tilling of the core of t

and I show must be correctly a fee design and gentle reaction dering a paint is definite ferion of entragement. This is best accomplished by a solid blade recept, as the head will move more readily solid blade recept, as the head will move more readily to the head of the solid paint of the towns a left and said the head of the more more borners and of the paint of the more more borners and of the paint of the mother which could be a been voided (6) the judicious combination for the more of these manipolations as the case may be demand

Bogdanowlitach M Dell ery in T tal Paralysi of the Body (Embadong bei vollatindiger Lahmung des Rumples) Leutralië, f Gwath 913, xxvil,

By Zentralbi f d ges Gynal u. Geburtsh. s. d Grenzgeb.

A zhi-para, thirty seven years of age had been suffering since the third month of pregnancy with a rapidly developing myelitis that began in the arms and spread t the trunk and legs. During the last eeks she suffered from urinary incontinence. On account of her bopeless condition Casarian section was contemplated when labor contractions suddenly began. They were noticed by the attendant, but the patient experienced on pain. Within three hours the child was expelled by the breech, living but immature (44 cm. 1450 gm) The placenta followed I fifteen minutes. There were no abdominal contractions a the abdominal muscles wore paralyzed. The patient died three days later A topsy revealed fibro-endothelloms I th spinal dura mater in the region of the atlas, with compression and softening of the spinal medulia.

This case is an excellent proof of the f ct that the

motor i octions of the terms are independent of the spinal cord and are stimulated from peripheral nerve centers located i the uterm. Torcours.

# PUERPERIUM AND ITS COMPLICATIONS

Werner A Case of Puerperal Tetanus with Recovery (Uber close gehellers Fall on Tetanus poerperalis). Henetakh f Gebarik st. Gyadi 0 1, xxv. 67

B Zintralbifd ges Gynik Geberteb d. Grenngeb

On November 5 0 3 the patient was delivered with forceps. A perincal teal as not entured. Ten days fter d livery she omplained of difficulty wallo lag and alght tramms. The next day decided treames set in follo ed by rigidity of the neck pd severe diffi lty allowing GO UDITA teta es tit u (flochst) ere dministered. On the follo ing da the muscles of the fee rm, and lower limb ere II ted Reneated convulsions conurred The timper t rose t 4 6 C. Four more injections of oo ant t in nits ere gi en beut neousl the the next few day tion, vagual dock has of solution of postered dued senza ere employed At the end of four reka the nations was discharged cured.

Peterson R. Emptyl & the Uterus et M. thod of Treatment of Puterperal Eclampsia. Am. J. Ohd. N. N. 9.3 livin, 20 H) Surg. Gyme. & Ohn.

I this article P tenos has made at tastical gusty of the e. It obtained in large number of cases of eclampia; collected from the hterature and draw the fulloring conclusions.

Since the we of ectampus is still unknown, it treatment of necessit must be emploised

treatment of occessic unust be empirical
 Only through the nalysis of large umbers of cases can the value of any particular treatment be correctly estimated

3 I large series of cases of eclampda prompt delivery gave maternal nortality of 3.9 per cent as compared ith m ternal nortality of 8.9 per cent where the delivery was long d layed.

 When the terus is emptied immediately or very soon after the first co-vulsion the maternal mortality is still lower

5. While before one in large group of cases the material morality was 5 per cent in 1 you of conservative treatment and spontaneous labor between goo and 9 on ecosity of better and more prompt obsetenced unjety the figures were reversed and showed that the material mortality was a per cent lower after the radical treatment the after the conservatif treatment of the compilication.

 Therefore the treatment of antepartum eclampsia should consist of emptying the uterus as quickly as possible for the first convulsion.

7 The operative procedure that will empty the uterus most quickly and with misimum traums and abock t the echamptic mother and child is the one t be selected. N Seco. Header.

Zincke, E. G. The Medical Versus the Sorgical Treatment of Puerperal Echampaia. F F S. J. Med., 9 3, xiii, 4 s. By Sorg., Gync. & Obst.

The author gives a very interesting review of the radiation of the medical and the surposit restones of ectampsia. If claims that the meternal norticality from the surgical treatment in higher than that following the medical treatment. During the past following the has treated thirty cases of ectampsia, with the surposition of the property of the most failty of the period of the control of the most mortifully of the period of the most failty of the period of the

Zincke advocates the following treatment. If the patient bas, or has had, convelidos seimires, 🥫 drops ( 5 m. or cem ) of Norwood tineture of verstrum vinde should be given hypodermatically and re-peated every hour until the pulse is reduced t to per min t or less. If within an bour the pulse falls from got on per minut only from to to 15 drops should be injected in the succeeding dose More than two or three injections are rarely neceseary t bring the pulse down to 60. A copious enema of scap water serves t wash out the large interupe. The bladder should be emptled with a catheter and the prine measured and examined. As soon as the patient is ble t swallow, a saline cathartic should be administered. If this is ineffer tive, stronger catharties may be given. Immediately afterward, the patient should be given but bath or bot pack, rubbed day not placed it a warm bed-The bath or ruck should not be given oftener than twice in one day

The only food abound be nifit or booth or both. We or of Facher so tion may be freig administred. The latter may be given per rectum or mrgent cases, intravenously Chloral, per os or rectum should be given if the patient is very rest. See The thor has descrided chicororm and morphia. Ether or gas-ether is the anexthetic of choice.

C. H. Davin.

Polek, J. On the Management of the Interior of the Uterra in Post Abortal and Post Partal Infection. T. Interior. Corp. Mal., Lond. 6 b. Aus.

By Song Gyon. & Obs.

From study of nearly 2000 cases the author draw the following conclusions: () The high morbidity in persperal infection is due to needlesome interference with the endoneatir in by numbeal methods () curretement of the placental at is potent cause of throusbeplakiths of the pelvic venus (i) the endometrium aboutd never be curreted

potent cause of thrombophilabilis of the pelvic venus (1) the endomentum should never be currented in streptococic infection, whatever the stage of the pregnancy; (4) hen the inside of the uterror is not dust when by exploration, the infection is generally confined within the uterm and perticentic and para metric complications are self-stom noted. The author enalyzes one hundred and four cases treated in his wards by conservative neglect of the interior of the uterus. In no instance was the intracterins content disturbed. Only three deaths conserved, a mortality of less than three per cent.

Eight-four cases followed full-term delivery

Twenty were of the post-abortal type.

Their women were placed in the Fowler position for postural drainage. Ergot and pituitin were administered freely to secure uterine construction and retraction. An fee lag was placed over the steres and the physical resistance was seasthed by forced feeding, strychnine, vaccines, and open-set treatment. Retained material was not removed.

Intra-uterine columes were taken from eighty-dine priests. Efficien had a closed cervir said in these to columes were obtained. A harmolytic streptoccuss was recovered from the eterns thirty-four times a non-harmolytic, fifteen times combined provits, fifteen times tarphylococci alona and in combination, fifteen times. Ten cultures were

MCCHC.

Blood cultures were made in absety-eight cases. In forty-six streptocood of the longua or herein types were recovered. Only two were bemodytle. In one of the three fatal cases no organism was developed from the blood in associar the streptococcus herein was recovered and in the third the butternia, was due to the statylerococcus for the statylerococcus for the statylerococcus.

turens. These facts are particularly impressive when it is remembered that a hemolytic streptococcus was recovered in thirty-four uterine cultures and it would seem to confirm the author's conclusions repairing non-interference in presperal infections.

Stande C. Perensus Parests Post Partum (Über Peressusishmung postparum). Hesetschr f Gaherick u. Gyulk., 19 3. xxxvii, 6
By Zentralbi, L. d. ges. Gynik. n. Gebertsh. d. Grenageb

Case : The patient was a primipara, twenty two years old, with a cephalic presentation. After a prolonged labor abe was delivered by forceps on account of an increase in her temperature and an actricration in the sounds of the fortal heart-beat. The child weighed 4560 gms. A few hours after delivery cramp-like pains in the right leg set in, and the following day similar pains occurred in the left kg. There were noted also points that were painful to pressure. On the third day there was urinary incontinence and a diphtheretic membrana appeared is the vagina and vulya accompanied by fever Vesico-vaginal fistula developed t the size of a dollar. Six weeks after delivery the patient was allowed to get up. A weakness of the right leg was observed, due t peroneal parests. An opera tion for the repair of the verico-vaginal fistule was performed ister and was complicated by the close proximity of the ureteral openings to the edges of the fittile. An improvement in the paresis was obtained after one year's treatment. The patient was able to walk fairly well with crutches and later without them after the application of an elastic support for the foot. This parels is explained by the prolonged pressure of the head in its slow passage through the pelvis. The fixula also was doe to the same cause. In the Rietzutzer four other cases of vesico-raginal fixula complicated by peroneal paretis are recorded.

Age as a The calculus was forty-two years old, as will captalic presentation and normal pelvis. During the second stage of above the captalic presentation and pelvis. During the second stage of above the complained of pain on the outer side of the legs and feet. After consider of the feetal heart tones, the anterior leg was brought down and extraction was rendered by delivery of the arms. Soon after delivery painful parasithesias set in on the outer delice of the legs of feet. Parests gradually increased until the motor and enancy disturbance was complete in the personal region of the left leg and partial in the present region at a year complete recovery had taken

The author gives a detailed account of the ana tomical relations and the mechanism of perve latury An isolated permeal paresis is rare the lexions usually occurring in the ischial plexus, and the tiblal as well as the brurator are involved. Paralysis of the glutal has rarely been observed, but is probably often overlooked. The latter produces a waddling gust and makes stair-climbing more difficult. The pains on the posterior surface of the thigh and outer surface of the leg are pathognomonic of the tranmatic origins of the parests coming on during labor and usually preceding the parests. Occasionally cramp-like contractions are observed in the limb during labor Most of the labors require forcers delivery Paresis is recognized only after a time. usually when the patient rues on the tenth day is frequently bilateral, but not equal in both sides. In the crural region, neuralgias and disturbances of semation occur never any parests. The contracted pelvis plays an important role the generally contrected type being more unfavorable then the flat rachitic. Injury t the nerves occurs much more often in cephalic presentations than in breech. Stande lays considerable stress on the possibil-

Stands lays considerable stress on the possibility of causing highry while foreithy hinging down a foot with the breech is the peivis. Particular care is accessive by this mannerwise. The proposals of accessive high in mannerwise the proposal of the product as it is upon the duration and the cut the present exercited month nearwood on the parents. Duration is causily produced, Any pains on perstahestas occurring in the personnal region during labor must be considered danger signals.

# MISCELLANEOUS

Nolfi B. Fortal Hormones (Über fotale Hormone) H billtationschrift, Rostock, 9 3. By Zeatralisi, f d ges. Gynak Geburtak, d. Grenegeb

The chemical influence of the germinal cells during conception the developmental importance of the internal secretion of the fortes, the influence H the mother upon the citild and of the child upon the mother to the control of the contr

It is not certain whether or not the germinal glands and the adrenals functionate during intra uterine hie. The thyroid sland and the bypooleysis are active only under certain absormal conditions. Il a have only a few positive proofs that the development of the forces is influenced by its endocranal shands, but it may be dependant more the hormones. of the maternal organism the uterus ovaries, thyroid giand etc. A umber of the pregnancy changes in the mother such as the changes in the mammary glands, the commencement of labor the formation of protective forments, the mcrease in the amount of antitryrein in the blood, and inmalestions are the result of the action of the local bormouses. The researcherence of women with temora is due probably to the action of the bormoom of blastoms with embryonal tissue upon the senital organs. It is known that prognancy influences the growth of blustomer. CHAPTER COM

Knogy A.F. The Use of Fortal Service to Cause the Ouset of Labor. If S.J. Calcuts, 513, 2, 109. B) Serg. Greec. & Obst.

After discouning the work of Heide the anthor takes up his own. Rouge followed the technique suggested by Helde in making the local serson. H used also practically the same general plan for bla experiments. The fortal scrum was tried on nine teen patients. In an cases, one or more injections produced labor pains which led t the expulsion of the child. All of these patients were I least ten t eighteen days before term. Two cases of foortia responded well to the serum shortly after the injection. The urine of one patient for whom the serum was used to bring on labor because of threat cool eclempale aboved albumus and cests and was scant in amount for the twenty-fou bours previous. In this case 55 ccm, of the serum was given in three days. The unne cleared after the first miectars com, and the patient person so conces so the following as hours. Her general condition also improved. In seven cases the results were negative.

Directs the course of their investigations, Reiche and Rougy? In not that severe contractant of the strent old not cause pair unless the presenting pair on the bag of waters compressed the cevert or other pairte organs. Small does not the surma seven if restricts than larger does the course moved of restricts than larger does the course of the course and weathers.

District: Intrauteriae Rupture of the Found Lives (Intrauterin emetandene Ruptur der kindlehen Lebus) Municipie f Gebott: n. Gyndt 1913. 22274, 165.

By Zestabli Ld gas Gyast u. Geborth, e.d. Grouged The repture occurred in the right lobe of the fiver near the lower margin, and consisted of deep stillar through the parenchyms. The child us delight the control of the probaged show the best of an account of the probaged show the best of an account of the probaged show the best of an account of the probaged show the best of a second of the control show the best of the position of the control of the Autopoys showed that the child died of internal hemorrhage into the peritoneal cavity through the hemorrhage into the peritoneal cavity through the hemorrhage into the peritoneal cavity through the

Adair F L.; Care of the Umblical Stump, J in M Ass 0 2 ld, 537 By Surg., Ovner, & Old

Adah discusses the citalogy pathology and clinical signs of omphalitis. He report the Sacterilogical Investigations carried on in sirry-free cases of new-born babbies. In seventeen cases there was no bacterial growth. Non-pathograic bacterial ware found in thirty-three cases and pathograic organisms in reverse trees. The stapphylococust was found in eight cases and the bactlers and in soon in the conduction of the state of the conduction of the the conducted in its surroundings in marry case fifth of the cases incompletative state burth, although the

orous measures were taken t obtain secotic con-

childons. Exemitatis for the growth of organisms are first, the presence of germs second the proper degree of emperature. Unifed, satisfact enforce media and compensation third, satisfact enforce media and compensation that the satisfact in the removal of the organisms by asseptic and antists in the removal of the organisms by asseptic and antists in the removal of the organisms by asseptic and antistic in the removal of the organisms by asseptic and antistic in the removal of the organisms of proposite proposite forms of the proposite forms of the organisms of the conditions of the order of the order of the organism of the organism of the conditions to the alternative of the organisms of t

conditions which favor rapid drying.

These four conditions were fulfilled as follows After the causation of pulsation the cords were clamped near the skin margin and the surrounding akin and cord were cleaned with alcohol. The clamp was removed and in the groove that it had made fleature was placed. In some cases the end of the cord and the surrounding skin were palated with 50 per cent tincture of loding and in others they were left untreated. A sterile gaure dressing was then tied over the end of the cord. The babies were olied for three days and then washed until the save was healed. After this, tab baths were given. Each day the surrounding skin was washed with alcohol, and the dressing changed when necessary By this comparatively simple method even serious ambilical infections were owit effectively com-HOWN SCHOOLS bated.

Erther: The Care of the Nippis During Pres namey (Warrenpörpi in der Schwangerschaft) Houstele f Gelerbi. a. Gynth 9 3, xxvil 807 By Zearnibi I. d. ges. Gynth: n. Octourish a. d. Orengub

Suty per cent of the slipples that received no prelindary prophylatic during preparacy remained later thating the number period, whereas only Miryton per cent of those that received attention did not become excentated or featured. Those cases that received preliminary prophylatic distribution substitution about the mamme diagnosis, for his last found of the best found of the best sufficient to bring on premature delivers.

Belley H. C. Th Clinical Segnificance of the Urine in Pregnancy Am. J. Obel., N. Y., hvell, sty By Surg. Gynec & Obst.

The author ends his exhaustive article with the following conclusions

 Liver degeneration in the toxemies of preg many is accompanied by low nitrogen excretion.
 Changes have been reported also in the ratios of the

nitrogen fractions.

2. Liver degeneration produced by umber of totle substances is accompanied invariably by an increase in the total nitrogen excreted, b t without

important changes in the relationship of the various fractions to the total nitrogen.

Folia's work would attribute the amino-acid

destribution chiefly to the trastes.

4 Pre-eclampsia and eclampsia may show no marked changes in the nitrogen partition.

5. It is probable that except for a lowering of the total sitrogen and changes in the various fractions due to the diet and the amount of beoppian, the kinogen partition in eclampsia will show no great discremes in relationship. N Seriou Hr ver.

Thompson, W. M. The Influence f the Thyroid Glands on Pregnancy and Lactation. Surg Cyme. & Oka' 9 3, xvi., 26.

In this paper are presented the reports of various aboratory workers together with description of one experiences made by the suthor. It is shown that the sexual organs cause changes in the thyrother and the latter also indirected the former hard the sexual organs cause changes in the thyrother and the latter also indirected the former than the sexual country of the thyrother and the latter and continued of the thyrother and the sexual of the sex

a description of experiments made on nine pregnant

on pregnant dogs or on their pups after birth. The

of one lobe of the thyroid had little or no influence

remoral of on half, on the other hand, with the ligation and destruction of the remaining portion and of the parathyroids, was followed by tetanic setures and death of the mother and pups. For their it was shown that the total removal of the thyroid and parathyroids was followed by tertible and rigidity and that after birth of the purples the distinct of the purple of the control of the purples of the distinct of the purple of the control of the purple of the distinct of the purple of th

Thompson's conclusions in brief are that the thyroid is a sexual gland if it originated from glandular organ in connection with the sexual structures of the Paleostracean anceston.

sources of the state-streem inspector.

I have a thyroid secretic influences sexual action of the properties of the physiological or by the physiological properties of the physiological phys

Polau The Biological Diagnosis of Pregnancy (Zor biologischen Schwangerschaftdiagnose) Monetsche f Gelectik. Gyezh., 9, 3, 22274, 87 By Zestralbi f d gr. Gyakh. n. Gebursh. a d Grangeb.

Whough Polane a results were correct as a rule to excusionally obtained profits reaction in non-pregnancy and a negative reaction in pregnancy and a negative reaction in pregnancy and a negative reaction in pregnancy and a negative state of the error. Since all festal organs as well as the nerror and manifold; find come into communication with the maternal blood come into communication with the maternal blood come into communication with the maternal blood come into the negative reaction as well as the photential elements, positive reactions as well as the photential elements.

The serum I greatation contains more hamolysins than does that of other blood. Boiled placents and various fortal organ, especially the lung, above a greater hamolytic activity toward the cryth rocytes of pragmant than toward those of non pregnant women.

Zinneza.

Schwarz The Serodiagnosis of Pregnancy J 4m. If Are, 9 L lei, 484. By 5mg., Gynce, & Obst.

The author refers to the greater value of Abder halders biological text as compared with Rosen-hal text. He discusses the underlying principles, Abderhalders or cell meta-bolium, particularly as it regards protein meta-bolium, the mobilization of protective fermion the blood, and the entrance of forcess material in the blood, and the entrance of forcess material in the distribution of protein the distribution method for the detection of protein proteins with the blood and given his personal represence with the blood and given his personal represence with a

He reports the records of twenty-one pregnant and four puerperal cases in which the test invariably gave the wiolst-blue miniprism reaction, while the controls remained coloriess. H investigated also eighteen non-pregnant cases, including several tubul enlargements and four atterine fibroids. In addition, the tests were made on two males. I all of these, the dislysates of both tests and controls remained coloriess.

Maccabruni, F. The Applicability of Abderbalden's Reaction for the Berum Disignosia of Fregnancy (Ther de Versucharisti der Abderbaldensche Keskilon bei der Serundispinse der Schwanprischalt) Histolen med Franzie upp

lt, i 59 By Zentralbl. I d ges Gynak, a tuburtah. d. Greszgab.

The author investigated Abderhalden's serum reaction in one broader cares of prepancy. Hemployed the polarimetric and the district methods and was ble to confirm Abderhalden's results. The reaction occurs early in pregnancy and per properties of the confirm Abderhalden's results. The reaction occurs early in pregnancy and per of the results occurs early in pregnancy and per of the results obtained the properties of the results obtained the state of the theory of the results obtained in the besence of wars positive reaction obtained in the besence of

pregnately. The author further investigated the dulyras method with fertal serain. Contrary I the results on Decision of Decision by obtained positive reaction in several cases. The tamination of the urbor of pregnant cases. The tamination of the urbor of pregnant of the properties 
Hers, E. A Case of Repture of the Uterus Fotlowing the Administration of Pitutirin Eas-Fall von Uterscopter such Photons Zeardal J Graff 1913 Yuvid, 220 By Zeatsible I of pro Cynels. Gebertals & Grengerb

by Lésaudh (d. ges Cysia). Ceburth d'ferough Following the Superion of c. cel pituumn in case of labor with weak pales and three to four fuggrs cervaid d latation operful contractors set in which that centy minutes assumed tetame character about one bour after the inject floot there occurred a severe tettine, contra tous with sudden collapse and the apontaneous different of palectals was followed to hemoritage due t transverse t are of house terios segment through

which the hild and placents had been delivered. The tear remained subserous. The portlo was entirely free in for t and connected with the uterus only posteriori). Tampounds as performed and gantopon administrated. Three weeks later the patient was discharged.

Hers believe that it is a mutake to administer pitutini in the first stage of labor. In the case reported, however, there may have been some mumual condition. In forty-seven cases pitultish

frequently caused names, dizzlinas, roushing out thanites aureum, especially in week, samely week. The influence upon the child sho was lod. The unia variable results reported from other sector lacked exterine atony post-parten suphyris of the child, collarges, finalities surreum, names and desinces, contraction of the cervit, tetame steft, and prematures separation of the niceruits. Proper-

Jacger A. S. Gonarrhom I Relation to Premancy and the Puerperal Period. J Indus S M Ass. 9 3 vl. 222. By Surg Gyac, & Oct.

The author has classified generatoral infection is

th pregnant woman as follows.

Acuts guantiers. () Infection present at the time of uterino implantation. () Infection occurring during the first four mouths of pregnancy. () Infection occurring between the fourth and the seventh months. (4) Infection occurring between

the seventh month and delivery (s) Intertion occurring after delivery during the lying-in period

This is very rars.

Chronic geocritics, Active form () Simple hooke geocritics in which the disease russ is unchanged course during the entire preparacy and perspection. () Acute exacertation of chronic geocritics, occurring during any period of the pregnancy or the Irlag-Ia period. Late if form () Gonorthus deceasessable, but milective safety of the properties of the preparacy of the Irlag-Ia period. Late is form the control of the preparacy of the Irlag-Ia period of the preparacy of the Irlag-Ia period of the preparacy of the Irlag-Ia period o

From observation the author has learned that the treatment should differ according to the period of pregnancy on account of the danger of uncertainty the pregnancy. There is always chance of abortion during the first four months and of premature birth during the last t or months, is the presented.

of a specific sent or throne endometritis.

Conservation I the keynote in treatment. Heat
and instrumentation is contra-dedicated. If the
infection is conseculty severy active treatment is
next obstated bet can the fourth and seventh
months.

The uthor uses forcess in these infected cases only as last extremity and believes that perineal tears should as a rule be cleaned and repaired. If the vulvo-vagunal gland has formed an abscess, it is assually drained and selected before delivery

He conclusions are as follow () Carnelle operations, or as act involvement of the endonsertum that is present as the time of attention paparation is much more section as regards the societies that occurs after greated. () fads idealism and conservations in the treatment of the societies of the smallest percentage of serious completions and actions to smallest percentage of serious completions and actions to best treatment of the control 
# GENITO-URINARY SURGERY

#### KIDNEY AND URETER

Cohahelm, Ott The Physiology of Kild ey Secretion (Zur Physiologic der Nierenschreiten) Suzsept d. Heidelb, Had d. II unenach Mathenahere Cl., 19 1 5. By Zentralbi. I d. gris Chir. (renach-

From an examination I mammalian k incre taken fresh from the body freed from blood and successed, the author ttempted t determine whether combination takes place between ugar and salt and the solid const turnt f th Lidney and bether there is definite ium t beyond which this combination does not tak pl usb as Magnus had already demonstrated for the section of sodiam chloride From umerou perumenta he came t the conclusion that web combination actually does tal. place and that sharp boundary for salt can be determined at 6 per ce t If the kidney are put into salt solution of **WEI** concentration no combination taken place ( on Merable amount re-combined from sol tions of higher concentration. For grane sugar the hmit is 93 per cent. The combination was easily direct oil by heating

These processes cannot be plaused by amoust, because then there ould be a len plauston for the sudden variation in the limits, but U habeten believes that the kidney fives the material from the bolidies by chemical one unknations and leverpuon.

Grisorjew B. P. Th. Radiographic Examination of the Kidners (De Ronte un reschuse der Merca) I ordenall d All Arec. (A. 3.

(manerb ril, 73 By Zentralit, I d go th The author considers important not ald og raphy of the kidneys but also the fluorou opx al ex amination. The absence of resourators mo ement f the kidney speaks to perinephriti dhissons. The beher grades of wandering kidney on also be demonstrated I this manner. If d ring repeated illumination the contour of the kidne muscles is not visible paramephratis must be thought of Furthermore all stones larger than millet seed can be seen th illumination dis phragm. If during deep respiration the st ne and the lower pole of the kidney do not hange their relation t each other the shadow is f trarenal origin. If change does occur in the relation, the shadow is of extrarenal origin. The reters possess a respiratory movability fit cm. T ebtain good result i radiography the time of exposure must not be more than ne sixth t one tenth of a second and t exposures should be taken, one during inspiration and during expiration.

The author has collected eighty two cases of nephrollithiasis. In eleven cause the stones erropased I forty-four cases the stones were removed by operation. In two cases the stones were bilateral. In all instances the radiographic diagnosis was orrect. Only in one case in which the stone

was orrect. Only in one case in which the stone localized in the crevit of the uterus was it found be we it i the ladindibulum. In six cases the diagnosed stones were not found on operation. I there of these, however spontaneous expulsion on the ston was observed, and in the other three the stones remained i the kidneys and gradually increased in size. According t the surfor the determination of the size of the stones by means of size projection is impossible.

Ka 2005, M. Anatomical Changes in the Kidney After Ligation of the Urster (II) weiters Better aur antomicken Verlagering der Vieren sich dem könnlichen Ursterverschlus). Zische f

posti Lesi o 3 iv 7 D Zentralki i d ges. Gynik Geburtsh. s. d. Grenzgeb.

The author reports the anatonical changes in a case of hydrocaphrans, in which the post-morten examination of the salimit was made you days after the ligation of the salimit was made you days after the ligation of the normal case of the properties of the control of the contro

A. Hoscustra.

Hadden D Bacteriology of the Urin in Relation t Morabl Kid ey Calif St. J. Med., 9.3 to 326 By Surg. Gynoc, & Obst.

Hadden record eight cases to how that displaced kidney causes stass of the urine and through the alteration of the chemical contents, furnishes a medi m which certain germs, entering from the neighboring organs or from the blood stream can grow

II believes that left-sided ptosis is more frequent than is generally supposed, and that in many cases it is not associated with right-sided posis. The reason be gives for the fact that many cases of deplaced lidneys are without symptoms is that the individual is in good physical condition and as long kidney pelvis, and preter is praintained and stack of trine is prevented.

I the trestment, results cannot be expected from vaccines until the ptools is corrected and drainage in effected. He claims that we have swang from Midpey fixation because we have tried to cur movable kidneys, associated with enteroptosis, without supporting the other organs. If inclines to the method of Longyear with the fixation of the can-

sule as it corrects any colon sag that may be present. His conclusions are as follows (1) Normal princ is sterile ( ) the greater number of chronic infer tions of the urinary tract are smociated with a bladder or kidney prosis or both (y) unilateral pershritts is a condition of infection having a kkiney sag as its origin (4) many movable kedneya are without pathological significance because the muscle tone is aimpaired (5) when the muscle tone bocomes impaired we have prine stasts and infection, (6) every movable kidney is latent source of trouble (7) in the bacteriological examination of the urine we have means of diagnosing the pathological "Bosting kidney ( ) the degree of symptomatolony depends on the kind of fulection and the sensbuilty of the patient and (2) if we are able t diagnose positively pathological floating kadney we will comider more seriously the operative treat ment and the type of operation, for at best the kidney support is only temporary and it is often impossible to poly it properly Love Gross

Vincent W G A U trained Came of Remail Hemsturia; Unila reral Chronic Hermorrhagic Nephritis: Decupariation Apparent Curvi Recurrence; Bilateral I olvements Decupanhatten of Both Kloneys Six Years Later Res or Lincoln of By burg. Grace & Ober

The a thor reports case in which the right kid ney was found t be the source of severe and long continued hemorrhages. Decapsulation on that side was followed by rapid desappearance of the symptoms and an apparent cure for five years. During the sixth year the symptoms recurred and catheterization of the ureters showed that the harmorrhage was bilateral Decapsulation of both sides was then performed Patient a condition improved. but symptoms were not fully relieved.

Examination of sections from the Lidneys showed chronic harmorrhagic nephritis. The right kidney gave evidence of "replacement fibrous" following H. L. SUITOND the first decapsulation.

Pena. M. On the Significance of Repai Harmaturia Immediately Followi a Nephrectomy for Tuberculoule (De la valeur de l'hémature rimale branchitatement consideratio. A una péphrectourie pour tuberculose) J d'avail 10 3, by 43 By Journal de Chiracgie

Post-operative harmaturia from the remaining lidney after nephrectomy for tuberculosis is but little recognized, though it occurs aften. It is a hemorrhage of pure blood, and begins mustly from one t hve days after the operation. It may not appear until the filteenth day. In two thirts of the cases the hemorrhage is severe. It is intensit tent and lasts usually short time, usually for one or two days. In some cases, however it may contions for eight, ten or thirty days. It comes rudnally I about the harmaturia following nephrac tomy for I berenious may be characterized as an fediopothic hematuria, not very intense interest tent, and of short duration.

The pathorenesis is doubtful. The becauture may be due t t berenlosis of the remaisise kidney to benish colon bacillus infection of the renalizing Lidney or t the compensatory hyperamia of the treasining hidney. The proposis is had in the first case and good in the others, but it is difficult to stat t the beginning to which class it belongs I TARRES

Thin A. J. The Overtion of Ascending Infection of the Eldney and the Prevention of the Same by Implantation of the Ureters late the Bowel (Zur Frage der aufsteigenden Merendelt tion and die Bekämpfung deriellen bei der Dereres-transplantation in den Darm), Dererielen, St.

No Zentrafil I. d. gra. Chir. s. I. Octorpio

From a large amount of data in the literature and from his own experience, the author comes to the conclusion that frampolanting the ureters into the bowel is better than transplanting them into the skin hile the danger of kidney infection is kre-The cases in which servicial implantation may be used may be divided into four groups as follows. ( ) Diseases in which in addition to the ureteral implantation, the bladder must be extripated, as in extrophy of the bladder carcinoms of the bladder carcinoms of neighboring organs in which the bladder also is involved, benign but frequently recording tumors, and tuberculosis of the blackler with marked anatomical charges, ( ) discuses in which preteral implentation is performed without extipa tion of the bladder as in tuberculosis which is not accompanied by senous changes of the bladder but which does not respond to the usual methods of treatment and in high epimedias with insufficiency of the sphincter of the bladder (1) discuses in which the preteral implantation is indicated as pathetive operation, as in inoperable cartinomas, bladder t berculorle with tuberculous kidneys, and gareralleed tuberculosis.

The injection of the kidney following transplantstion of the wreters is primarily progenous. It is favored immediately after the operation by the stants of the same in the reters due in part t the refer paralysis of the areters and in part to constriction of the nastometic ring and the bowri musculature, and to isflammatory infiltrations. Later on, after the preters have recovered, it may be due to the lympathic stream. The principal organism is the bacillus coll communis.

The author discusses leven personal cases. I all, the operation was performed according to the method of Mirotworzefi of the Oppel clinic Seven three it was for extrophy f the blackler three times for high epigradias with aplasia of the bladder sphincter and once for high grade tuberculosis. Ten of the operations ere radical and one pullia tive. The latter cured the patient of his continual desire to urinate and of his pain. Seven nationts ere discharged cured and four died one of peritoni. th, one of shock one of generalized tuberculoris, and one, t and ne half years after the operation, as a result if sepals following a plastic operation on the boxel. Lycluding the last two cases, there remains an operative mortality of 18 per cent, both of the deaths occurring in childre aged one year and nine months, and one year and two months respectively. The author agrees ith Ma dl that the operation should not be performed huldren. During the post-operative period lactobacelline was given and was well tolerated by the patients. I three cases in which there w infiammatory condition of the bowel the result beauted was good, and in others the discharge of mucus ceased. In one case no flect was obtained From th examinations following the operation t as found that there was a retention I the chloride of the wine ttributable to a pyelltis cut 1 decrease in the exerction of nitroge also occurred d probably t the polyuria from hich most of the patients were suffering. Uramic sympt me were and observed. I four cases if post-operative pyclitis the vaccine therapy of Wright was employed, a togenous colon vaccine made from rine organisms being I jected in small doses which were gradually increased. The maxim in dose as 50 raffilon bacteria. I two of the wea, cure resulted following six injections. One case impro ed, and in another the injections h d t be disconts used on account of the continuous high temperature. In one case the vaccine was used lactic before the operation

After the author had employed the vs cuse on spittern dops reperimentally be ane't the contribute of the reperimentally be an experimentally of the period of the pethia and kidney. The disease as more were said set in earlier in those cases in which at standard of the anatomote ring and status of urbaneous of the anatomote ring and status of urbaneous contributed in cases in which the flow of the urbaneous contributed in the contributed of the contributed in the contributed of the co

# Condon A. P. Unilateral Septic Infection of the Kidneys. A T M J 9 3 xcvid, 79. By Serg. Gyosc. & Obst.

Unilateral septic infectio f the kidney is caused by the successful invasion into the kidney of microgramma and their products which usually produce numerous military abscesses and often violent general symptoms.

The writer reports two interesting cases, one a severe type demanding immediate operation and the ther a milder form.

The origin of these infections is usually hema togenous. Predisposing causes are () Pregancy () passive co gestion of the kidney; (s) infections on h as crystpelas, endocarditis, scarlet fever etc. The exciting cause is a pathogenic micro-organism, usually the colon hacillus.

The sympt ma prear suddenly and consist of severe d comit own plan over the affected organ, marked tendersers, hyperwithesia of the kaln over the kidney and rigidity of the lumbar muscles. There is usually wontling, fever rapid pulse, prostration and high kenceytosis. The urinary fadings are pathodycial findings may be absenty canally however there is pus, albumin, and microscopic blood.

The indications for operation are: () Intensity and progressiveness of symptoms (s) high term perature (s) henceyet cost above sightly, etc. Such cases should be operated upon at socs. A few will underpo resol tion and others will properly drained. A radical operation, however us usually indicated.

The winter mentions Brewer and Cobb as having done extensive work in the study of acptic conditions of the kidney II. A. Moore.

Papin The Localization of Renal Tuberculosis by Radiography (Localization de la tuberculosi rémais par la radiographie). Arch west clin, se vancilos, 9 3, 4, 97 Ballocraphy sometimes about a la la chirurgia.

Radiography sometimes shows at the site of a tubercular kidney spots corresponding either to hollow spaces or calcureous or caseous areas. These spots may be of prime importance in deckling the question as t whether nephrectomy should be performed in the case f a subject who shows urinary tuberculous but in whom the bladder can not be explored on account of its sensitiveness. In such case w can demonstrate that one of the kid neys is sound if Ambard's coefficient, the relation of the uren in the blood to that in the urine is nor mal h t we still have t determine which is the normal kidney If we have no other localized symptoms, radiography may settle the question, The author cites two cases in which, when the kidneys showed a spot in the radiographic picture, bladder exploration was impossible, and the Ambard coefficient was normal or subnormal, nephrect my was performed successfully Maurice Convension

Thomson J The Infection of the Urinary Tract in Children by the Colon Becilius. Laux, Load 9 3, then 457

By Surg., Gynne. & Obst. On the bank of seventy-one personally observed

case of this kind, the swither concludes that different types of colou infections are predisposing factors. It differentiates between the normal colou bacillum and the virulent organism — Any cause that returns

671

the downward passage of the urine is influential in inviting color bacillus infection. This infection is twice as common in children under two years as in those that are older Seventy-nine per cent of the cases that he observed occurred in girls. During the first six months of life, however a much eventer number of boys than girls were affected. An analy sis of cases of two bundred and twenty-four bables two years of age, reported by thirteen thors, shows that more boys were affected during the first str months than at any later are. The author claims. further that the attacks in male patients are and t be more severe than those in females and there is usually in the former a much larger proportion of cases of fatal pyckonephritis. Ha does not attempt

to explain the reaso for this. The differential diagnosis f acute coll-prelitis depends, first, on the presence of mis and colon bacilli in the urine along with the typical general symptoms which the author describes somewhat in detail, and second, the absence of any sign of

organic disease outside of the unioury tract that

might account for the condition As treatment Thomson recommends first messures to cause the urine t become alkaline second. the administration of antiseptics and third the use

of semims and vaccines. Girna, E., and Hewatton, J. T. Adrenal Hyper-nephroma in the Adult Female Associated with Male Secondary Characters. J. Pubel. & Bacterial. 19 3, 1710, N

By Sarg Groce. & Otel. The case is reported of woman forty-four years of age wh for efficen years has been showing gradually increasing number of sex abnormalities Her voice was course ber face and trunk halvy and ber breasts were of the male type. At the operation which was followed by her death,

pound tumor was removed from the regio of the left kidney Microscopical examination showed it

t be of adrenal origin. The authors compare the structure f this tumor with that of f ur similar tumors which they have had the opportunity t study. They classify all five as adrenal hypernephromata in cotra distinction to renal hypernephromata, and main-

tain that tumors of this type are not malignant Seven cases of adrenal hypersephroma in young adult females, associated with changes in sex char acter are tabulated. Our knowledge f the relationably f such tumors to bnormal sex characters is summarized by the authors as follows

In children, hirsuties and other boormalities are almost invariably present.

a In adult females before the memopause, sexual abnormalities are frequently present.

3 In females after the menopause definite sexual aberrations are not recorded.

4. In adult males such changes are not noted. There is no evidence that hypernephroma in the kidney which has totally different histological structure from that in the adrenal, is ever associated with absormal sex character.

Jaches, I., Prelography T Am. Blate Lit Sec. Boston, o s. Oct. By Surg Cynes, & Obst.

There were two important enochs in the development of the routeen diagnosis of diseases of the ur-nary system. The first begun in 898, ben Leourd published his papers establishing the rules for the determination of the sufficiency of the router-corrin in order to mak a positive or negative diagnosis regarding urinary calculus; the second in coswhen pyelography and cystography were intro-duced by Vocicker and you Lichtenberg.

Pyelography enables us to diagnose hydronephronia, renal tuberculosis or tumor the position of the kidney, and congenital anomolies, such as fused kidney, kinks, constriction or dilatation of the ureter and diverticula.

Cystography shows the size and shape of the bladder anomalies and pathological conditions, such as diverticula and transculations, and changes

cancel by hypertrophy I the prostate

The dangers of pyelography are collapse due to over-distantion of the renal polyis irritation of the kidney followed by high fever, and deposits at the affver selt in the kidney substance Caution's advised where only one lidacy is present or hen the other kidney does not functionate properly. The dangers of pyriography were further illustrated in case in which diverticulum is the areter could be demonstrated only by argyrol, and in high several months later the shadow of the diverticulum could be seen very distinctly. The patient refused overs tion, so that the question as t bother the allrer sait bad remained in the diverticulum all this time could not be solved. Lantern slides were shown illustrating the various

conditions named above. In the discussio. Stores of Den er suggested that the shadow remaining in the region of the diverticufrom may have been due t calculus that we not shown before because of its themical composition

but which became visible as the result of bearing some of the armyrol. Legueu and Papin The Techniqu and Accidents of Pyelography (Technique et accidents de la pr-

Hographic) Arch west clie de Aschry 0 1 t. 1.
By Tournal de Christipe. By pyclography the thors mean the injecting of substance that is opeque to \-rays int the

ureters and prives of the induces before taking a picture. Legrow and Papin have worked on this for its years and report the method used, the sesults obtained, and the accidents met ith.

They found that the best method is t | ject ten per cent collargol through areteral catheter passed up to the privile of the kidney. Also that it is better t Introduce the collargol by gravity from curette 80 cm, above the patient than I force it in with syringe. When the pelvis is full there is pain in the back and no more field should be used. The field must remain i until after the radiograph is taken. It is not necessary t washit out.

By pricagaphy it is possible to demonstrate the enert feezlen of the pelvis of the kidney line relations to the ureter and the presence churved was described to the presence tumors, score (the latter appecially it ovygen used lasted of collarge) tumors; berenduct arvitles to it is sort, it is immitted in the diagnosts of

real troubles and of lexions of the petres or reters. Proforaphy may be accompanied by pas which has for several hours or even days afters of and which may recembe kildery colle. Small doses of soophies and hot compresses in the I mhar retrous however give relief. There is also sometimes slight fever (15° to 10° C.) lasting for to other days. Sometimes there is infinite to in the renal patentyma, which may be see by radiography, and spoop operating. This is not case cause death (Résuls). Legure and Papin believe lit the distribution of the use of too great pressure is admissioned to the use of too great pressure is admissioned to the coloring for they have had no surb tro blunce they stopped unit a syringer.

M as Carruen

Von Hiyfs, G. Experiences in Renat 8 rgery (Edikranges auf dem Gebiet der Verenchlrungs Brütpeit; Frachin. 9 ) By Zentral f d. ges. Chu. Grenzgeb

In this monograph the thor describes thee hundred and forty nine kidney operations that he performed during a period of eight years. The diag nostic and operative methods are minutely de ecribed, and the work is full of practical hit is. The There eperative results are noteworthy twenty loar cases f tumor with 66 per ent mortality seventy-five cases of kidney and preteral calculi, with mortality of 60 6 per cent t enty cases of hydronephrosis with mortality f cent; twenty-five cases of pyonephrous with a mortality of 20 per cent sixteen cases of P) closephrosis, with mortality I so per cent auteen cases of pyclonephritis and Lidney bacess, with a mortality of o per cent and 4 cases of tuberculosis, with a mortality of a per cent. The end-results of the last, however showed mortality of 17.4 per cent. There were three cases of nursa, ene of synhilis of the kidney one I cysti degenera-tion. Of floating kidney there were fifteen cases, with no mortality Nine exploratory operations had no mortality Perinephritis fibrosa, five cases, and perinephritic becess, three cases, had no mortality. The verage mortality was 7 per cent TON LORMATER

Gibbon, J. H. The Technique of Nephro-, Pyeloand Ureterolithotemy Ass Sorg Philar, 918, 188, 318.

By Surg Gyner & Olse Nephronau Leaburg and Added and Fore

Nephrotomy is the operatio of choice only for large, branching, phosphatic stopes, f small stones

lodged high up in the calices, and for cases in which the kidney is badly infected in other cases pyelot only in perferred. For the removal of multiple, widely distributed siones, the author prefers making several incisions directly over the calculi instead of soliting the estific kidney.

Pyclotomy is favored for the removal! most renal calcult. The fat overlying the pelvis and the pelvis tself should be inched longitudinally indiffer ent planes, and at the conclusion of the operation they should be intured separately. There is little danger of aninary leaking when this plan is followed.

If stones in the lower part of the unter are not easily located by the extraperitoneal most, the author at once resorts to the transperitoneal method of prounch, using this, however only for the purpose of locating the stones and pushing them into a position where they will be accessible atmosph the straperitoneal wound. This method promotes speed in operating, giver an opportunity to thoroughly explore hoth unreters, and has been found to be safe.

S. W. MOGURELIN.

Bromberg, R. A Contribution t the F. nettonal Diag. onto of th. Edmey (Beltrag are instituentles, \text{\text{Nere-than-odd}}). Beltr. E. Mir., Chir. 9.3, heav. 4. B. Zentralbi, f. d. gen. Chir. 5. Grenneth.

Lorenhardt was th first to call attention to the value of determining the electrical contocidity for the functional diagnosis of th kidney. The method has endered very good results as has been stated several times by Kummedl. Bromberg temploys a slightly modified apparatus for measuring the electrical conductivity and emphasizes particularly the value of comparing the electrical conductivity of the kidney and of the urine of both kidneys of the kidney and of the trained about the hidney and the kidneys or be determined about of the kidneys or be determined about 1 tely

Окапанския.

Scott G D Hydronephrosi Prod ced by Experimental Urstral Obstruction. J Indiens 3: 11 Arr 9 3. 1, 330. By Sarg Gyace, & Obst.

Scott describes and draws con basics from signal superiments performed upon some fifty dops. H found that hydrosephrosis ca be bristand from both complete and persist actered obstruction the degree depending upon the duratio of the obstruction. Complete obstruction was the more rapid in development. The nathological changes were due to the back

pressure of the retained fluid on the kings epithelium and t by poor neithous the kings epithelium and the poor neithous the kings epithelion the renal wearch. The tubules were distant inepithelium was flattened and the superior and the granular the interstitial tissue was toward and in also stages the vessels were selected. In hydrogephrosis even of the latest stage, the kidney epitheli um was capable of regenerate, the kidney epitheli

C. D PICKARLE

#### BLADDER, URETHRA, AND PENIS

Lequeu Foreign Bodies in the Bladder and Thei Treatment (Frendhörper in der Blass und fürs Behandung) Ally wire, sod. Dg., 9 g. 1481, 26. By Zestrabl. i. d. res. Chir a. i. Granzels.

The author reports the removal of a halipfa from the history reports the removal of a halipfa from the history of the removal of a partial plant of the removal of the removal of the removal plant of the removal of th

Even with the skil of the cytoscope the suborfound its odificult: emore the pit shat he shive superpublic incision. In the female if this foreign bodies a resulted and not encopalished, the author makes an locason bout 5 cm. I length beneath the ymphysis and between the efflores and urethra. This incision extends to the bladder and the surthrate of the state of the state of the state of the surthrated and the state of the state extracted the incusion is satured and a first include the formation of first is.

Bughee H G The R H fof Vesical Obstruction in Selected Cases. \ 1 \ \ J Hol \ 9 \ 3 mm \ 4 m \ By Surg types 4 Obst.

The author great the use of the high irrequesty current applied in the same namer as proposed by Berr In the destruction of vessed payallossas, to bone way burnetion at the hilder neck, and I near of enlarged products and median bars. If reports foretree cases of nous tuda of obstruction in which the lattering part as borned way or The article has mercon discretions which the obstruction is the highest payalloss. The article has mercon discretions which show the marvelous manner in high the obstruction portion disappears.

8.3 Examenars

Legueu The Electro-Congulation of Tunters of th Bladder (De l'electro-congulation des teneum de la case) Arth avoi des de hecter 9 2. Il y fournal de Chivarje

Excision is the treatment of choose for tumors of the bladder f y considerable size, but for extremely small tumors or for small recurrent nodes the endovesical treatment is distinctly preferable.

the green has studied the action of high frequency creates on tumors of the bindfor using both Peer restance, which has congulating of disthermal diet. and the method of difficilt Boyers and Contract, which has a disintegrating action. The tramethods secured to him to about the same in their action as well as in their results. It prefers Beer' method, however as it does not require a special суммогорь. It has had an electroly made the size of serveral sound likely can be appeared to the size of serveral sound likely can be sized or serveral sound likely can be sized or serveral trule made the size of serveral sound likely can be passed through any cystoscope. It ends is a opper button through which the distinguished cores is passed by means of a d'Arsonval bipolar apparits. The action of the distinguish current is described

in detail. The author studied it histologically as a fumor treated by electro-coagulation immediate

before it was exched.

If gives his patients treatment of fer missin curation every two weeks, with a current varying in latensity from got 1300 milliampers. It is access to give the treatments closer together for the elimination of the congulated particles takes accordingly in the contract of the considerable length of time. If a used the method fretimes if a militative treatment and noted that is caused a diministic on creation of hersethage. Five times he used it for curative purposes two Five times he used it for curative purposes two the treatment one allowed corellative distributions of the conments, and one was very much decreased is also after the sight breatment.

The application of high frequency currents in the treatment of a more of the bladder constitute

great advance in endoscopic technique.
Marrier Contratt

Françoia, J. Transformation of Cyréic Cylith but Gla d lar Cystili (See h makernanton de la cystil kyréique en cystir platilaire) J d'evil § 3 k 207 By Journal de Chercie

François made an histological study on surpris specimen of the transition from cystic cystics t glandular cystitis.

The patient, a oman f 11, entered the howher for a very intense c stills with frequent and stendant harmaturia. The rine as parallel and the capacity of the bladder was reduced t 60 ccm. The kidners were normal.

The systoscope aboved the fundus red and tomentous in places. Clinically there was an intense, non-bacillars cratiff without involvement

of the kidneys.

Operation aboved the m cous membrane of the whole trigonum surrounding the operating of the two reters, red, interacted, trepping and to construct. The right undurary nearing was a sweller, red, and somewhat patent. All of the diseased minors seminate was destroyed by thermore, tery. A nowth later the pattent had recovered and the capacity of the bladder had reached no min.

Histological examination At the cige of the tomestons res, full and spheroidal row fiftee published seate are found in the solutions of the production of the seates above do body central cavity and the critical to determine the center of the time the success menhane had abmost cuttlerly desperated there were seasowate formations in the submiscosa, but the soot characteristic appearance was given by moreing shade bordered it he single row of histological contractions.

These formations are characteristic of glandular craitis. The transformation of the polyhedral cilis of the resical epithelium into secret cy cells which ultimately take on the characteristics of mocons cells could be observed.

Along with this process morous cells ppeared and multiplied in the covering of the epithelial crypts that is, a certain area I normal stratified vesical epithelmum was transformed unto layer of bindrical relia which were nothing more than necross cells. The inflammatory keases of the submotoss were greatest un the zone C glandula.

cyclis and less intense in the zone of craix cystitis.

Calcall, neoplayms, chronic cystins—in short
any chronic irritation as Chia tha shown experimentally—may gi e rise in the le er part of the
vesical crithelium t you Bru
erithelian nesta

and the crats which result from them

The chandula formations may have either one of two origins they may be due to an embryoxic badu sion of germinal cells from the intestinal tract as is the case! pure glandular cyutius without cyutic cytikls at the periphery or to the transition of vicical cytikle in the periphery or to the transition of vicical cytikle in the peripher of the transition of the stage. If price cytific, the stage is cytic cytific.

#### GENTAL ORGANS

Eckels, L. E. Epididymotomy the Radical Opertive Treatment of Epididymitts. J. Am. H. An. 9 5, Inl. 470 By burg. Cynec. & Obst.

Exists firmly convinced of the desirability of the operative treatment in every case of our option property mits. He results are selected in the best state of the property mits and the operation of a sharb the operated upon twenty-five. It hays emphasis on the sarked absence of relapse in the cases so treated and believes, hills admitting a lack of d first proof that scribity is largely obviated by urgoal treatment. He gives a des descripts of the operation, which is simple and harmless procedure.

sharing a simple and harmless procedure as a file conductions in regard it this operation are as follows: (i) The relief from par is maintaineous of the internal indiministration of sedatives are made unable for the particular of the sedation of the particular than the particular than twenty four if it re-eight forms. (i) Pas and about 50 cmatten in prevented. (s) Sedling, trendermen, and other supprise in seasons of sedations of the particular than the particular of the particular than the particular

J DELLINGER BARRET

McCras Rem t Effects of Lectors of the Prostat and Deep Urethra. J Au II in 9 J. Ini, 477 By Sang Cyoca & Obst. Leukons of the prostate and deep urethra are so

Lesions of the prostate and deep nrethra are so brequently responsible for ymptoms chewhere often in remote points i the body that more brequent routine examinations of these organs are

necessary. The ymptoms may be sexual urinary or referred. The writer discusses these various disturbances and reports a case of marked cardiac and gastric disorders that was unsuccessfully treated in may y ways until the verumonisamum was examl of The latter was found to be the real source of the reflex processes and was carred. Referred pains may occur in the legs of horse abdomen, and may simulate many conditions, all more because there is no requisitive in their distri-

Chronic arthritis, impairment of kidney function, myocardial changes even angina pectoris, are also associated with prostatic lessons and this possible relationship must not be lost sight of.

FARTON E. GARDAIR.

Kümmel II The Diagnosis and Treatment of Early Mallgaan Disease of the Prostate, T Interest Cong. Med., Lond., 9, 9, Aust. By Song. Gynes, & Obst.

K mmel discusses the present status of the quantion concerning the diagnosis and treatment of malignancy of the prestate gland in its initial

stages.

Three points are enumerated as being essential for the definition of the term initial stage. I.e. (1) the malliquant tumo must be confined to the gland proper and there must be no lavelyement of the version mucross or of the peripostate fissue (1) the stage of the stage of the subjective companies that the sammeds nor the subjective companies of the stage of the stage of the subjective companies of the sammeds and the subjective companies (1) the sammed terms as no matter post of the sammed terms as yet makes the sammed that th

Reviewing all of the available statistics, the author ard es at the conclusion that malignancy in the enlarged prostat is of a much higher frequency

than has been believed beretofore.

Judging from his own experience and from the reports of ther anthors, Khimmel feels justified in formulating the thesis that a cancer may develop in an originally benigh physitrophy and that if is there-

an originally benign hypertrophy and that it is therefore imperative that in every case of hypertrophy of the prostate companied by pronounced ymptoma, the possibility of malignancy be thought of. The disposes that is the carifest possible recognition of the malignancy of a prostatic temor is the

nition of the malignancy of a presidate tensor into most imports and the same time the most difficult problem encountered in the blos question. While it has the admitted that the diagnosts of a beautiful to the initial maps cannot be made with absolute in the initial maps cannot be made with absolute maps of the mass of this lind the absolute in the initial maps of the cases of this lind the diagnosis can be established to ease of this lind the its very close to certainty.

As leading symptoms in the recognition of prostatic cancer in its initial stage are quoted the sudden appearance of marked dynaria, irradiating pains that have their beginning in the prostatic region, a characteristic hardness of the gland either extending over the entire tumor or restricted to certain regions of the gland and extremo sensitiveness to touch of the parts involved.

As the method for operation the autor recommends the suprapulse rout. For patients who show ayangt ms of insufficiency if the renal feaction the two-step operation is preferred, as a given the kidneys bane tere et after sufficient

drainage has once been est blinhed.

The athe must up his end don as follows: Cancer of the product is a related, frequent disease parently simply bypertrophard glands show maligna t dependation. Irom t elve to twenty three per m of all the cases the figures varying cording t the different maternal of the differ t thora.

Cancer of the prostat abose decided inclination t form meet si was in the bones however great many sizes once under been tion in which, d rang the arly at ge the ancer emai entitlerly to the prost 1 gland

Cancer of the prost 1 in 1 arts tage may be diagnosed in the majority f u th scar cer 1 inty and 1 smaller umber 1 wes th great probability 1 only few ases ill the diagnosis

remain very uncertain

The st tilves of the operation pern that lasting results of eight years of too ar thin on reach, in a great number of cases the condition of the patient remained satisfactors fiter the operation for varying I me until the clapse became manifest.

Considering the 1 proof the an er in many cases remains during the initial stage an entirely local process and that in the majorial of the cases the malignancy may be recognized, it imperative t arrive t such diagnosis early as possible and telement radical use by as earl consention.

Consider ig that not us! ma cancer develop in so far normal gland but that apparently in the majority of cases t becomes established in an at ready hypertrophical gland an early emosal of the protest is to be recommended in every case if hypertrophy if the slightest supecord of malignance.

is aroused.

The reported last up operative results extending over periods from three to nine years seem to prove that an early operation is just a furnish a radical

cure for prostatic cancer

I the early stage of prostatic ancer the ordinary methods employed sa the removal of hypertrophical gland are sufficient, more extensive operations are

not required in the initial stare.

In case of insufficient renal function the two-step operation should be given the preference as it is the least dangerous procedure. In order 1 pervent the occurrence freispect, radiotherapy should be employed following the eradication of the gland relapses should be treated in the same manner.

Don er J. H. Prostatectomy Swy Gjace "(Un 9 5, N.H. 5" By Surg Gjace, & Chie

The envideability of hypertrophical prossure is hargely dependent upon the pathological charge that is present in the particular case. The encapsulars and therefore cannot have destromations cannot have destromations cannot be destromations and the construction of the construction more accessible from above are removed with surprising case by the supprapolic roots. The dense, fabrous type, which comprises about 5 per cent of benigm hypertrophics, facts not only take comparative crossibility but, hat is of greater importance hads also us excepted attouch that permits of it being beliefed out.

The cyalovecope is the most valuable means of determining the most appropriate operative procedure. By its use we learn the relation of the enlarge stand t the internal seisal ordice and the degree of intervenical projection also the condition of the bandete mouseau, the presence or absence of divertise labels. The bocation collected, all the bandete mouseau, the procedure of absence of divertise labels. The bocation collected, all the best factors in the bocation of the bandete procedure of the bandete procedure of the bandete bandete and the bandete 
due

Benigo hypertrophies of the protest or hofetinguishable from carcinoma in list early at grs. I all cases of sour or chronic retention that a supersible t cathereine, in severe systifs, and is all cases in both for any reason, it is impossible to form far extraste of east function, we madlient correlives to the drainage operation, reserving pressure terms of pressure consideration.

Our advocacy of the suprapside roat is tempered that the principle that serviceful pro-tate surgery depends upon one ability to recognize the true less tested for and see all to perform, either operation will be upon them the prosent is done to the propertion of the service the properties of the which conditions the gland is non-emissible because it is not encapsulated and is disturb to improvible each from above the normal capabilities and should be to be encapsulately efficient and broad down in the proposition of the properties of the properti

formed successfully only by the periodal route.

Hismorrhago following operation is usually madeficiant in amout a said easily controlled the bot impations but in the event of excessive bleeding.

the proof the cavity must be peaked the passe. The definings rube should be of large either as of placed their the disposing of the baseford is proven perfect before the patient leaves the take. The tube must have alternal and estimated to be and the disposing the state of the part of the patient of the patient patient of the post of the patient patients of the patient patients of the patient patients of the pa

Unemia and suppression of urise occur ( times

solts of careful selection of cases and judicions

judgment both before and after operatio H coughing and names are the danger signals.

Cabot, Il 8 prapuble Prostatectomy
G mc. & Okst 9 3, xvil, 3

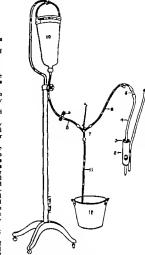
By Surg ( yner & Obst This paper is a discussion f the anatomical basis

for the operation of prostatectomy Consideration is confined to the class of cases of calargement that is ordinarily spoken f as hyper trophy This process is of t be rega ded as tru hypertrophy but as du to the f rmatio f adenom atous nodules involving only certail lobes if the gland. Stress is laid the fact that these adenomas do not involve the posterior jobe The denoma tous masses which arise from the lateral and median lobe are covered on their urethral surface ally by thinned true capsule and atrophied m us mem brase, from within which they cannot be enucleated even by dissection. The a thore ho that I the operation of prostatectomy performed by any method, only the adenomatous masses in the lateral and median lobes are removed and that the posterior lobe is not enucleated. He then compares the method of intra-prethral enucleation whether done from above through a suprapulac meioo or from below by opening the urethrs in the membranous portion, with the operation of 1 oung which att ka the adenomas through incisions th portenor surface i the prostate. By th Intra urethral method the adenomatous masses are removed easily and completely without damage t the posterior lobe By th operation 1's ung the removal of the lobes from under the thinned capsule and amous membrane is exceedingly difficult and often incomplete Furthermore, in Young operation the structures f the posterior lobe are necessarily damaged extensively

The author theret re is of the opano that Young's openation cannot properly be regarded as conservative method. The supraphic method f approach is open to fewer objections on the proof of urpleasant sequele such as fittale and lack of urbary coutrol than is the perincal pproach, and accordingly in to be perferred.

Day, G. H. A Modified Drainage for Suprapubl Prestatectomy A. I. M. J. 9.3 actsls, 4.5. By Surg., 65 acc. & Obst.

The atho has suggested a modificatio of Dawbern system syphonage for suprapuli drainage. In sing the Dawbarn system, the thor panes the bladder catheter through the center of Markon



Catheter for Infrashing purposes | Marion tube, | Metal stoppes, 4, Drabsers inblas, 5 (first connect up tubion, 6, Soft, aborter drabage tubion, 7 Gless, 8, Irregating tubion, 9, Regulating cut-oft, 10, A large large tubion, sake (Day) | Irregation tubion, sake (Day)

suprapuble tube before be begins the syphonage. If he wishes bladder irrigation in addition, he simply irrigates through the small tube attached to the side of the Marion tube.

B. S. Barrotte.

# SURGERY OF THE EYE AND EAR

EYE

Robertson, E. N. The Present Approved M the ods of Treatment of Obstructions to the Lacrimo-Nassi Duct J Kanzer M Sec., 19, 28, 29.

By Surp., Gyace. & Obst.

Robertson discusses the treatment of obstruction of the nasel d ct and sums it up as follows

The majority of all cross of lacrimo-mani obstruction, in the beginning, can be referred by very simply measures

Syringing with mild astringent antiseptic solutions should always be tried fulthfully even in those cases where a mucopurulent discharge from the sac is present.

Lift is better as rule not to open an acute discryocystitis through the skin. More satisfactory final results are obtained by letting the pes out through the cantilleties, or by the incisson of Agnew followed by the use of the grobe.

Rapid dilatation by the method of Ziegler is sufficient to effect cure in many cases formerly made tedious by probing.

Good results can be accomplished by probleg in selected cases if the patient will stand for it.

When quick rebet to chronic darryocystatis is desired, estimate the inchrymal sac.

C. G. Dane

Conts, G Infurction of the Posterior Ciliary Arterios. T Internet Cong Mai, Lond, 19 3, Aug. By Surg Groce, & Obst.

Costs describes the pathological details I two cases in which wedge-shaped portion of the laner layers of the scients at the porterior pole was necroid. A somewhat larger tree of the cheroid, and a still larger area of the retina, were similarly affected, the control of the control of the control of the backers are not to infirture as a present in the surrounding times. In the divided eye the area pepared as an atrophic patch 8 1, mm, in dum-

surrounding tissues. In the divided eye the area mm, in dameter. It had not been seen with the ophthalmoscope, the cases showing clinically the symptoms of chronic iridocyclitis The ther points out that the pathological features of these cases differed from those of an ordinary patch of chorokloretimin in the great preponderance of the ecrods over the inflammatory reaction, and in the absence of fasion of the two tunics. An inflammation severe enough to give degree of necrosis must have been rise t such accompanied by large amount of plantic eruda tion, whereas, as matter of fact, the signs of inflammation were quite moderate. Therefore the necrosts must have been due only to cutting off of the blood supply This supposition was accompanied by the localization of the patch which corresponded well with the distribution of e male posterior ciliary artery. The condition was indeed an infarction ! a posterior ciliary artery, and k had the wedge shape which is usual in infarctions clearwhere.

Infarctions of this kind give rise to toxine which cause certain amount of inflammatory reaction in the surrounding timues, leading to encapsulation and penetration of the dead tames with organizing material. In the cases reported it is probable that similar substances diffused forwards through the vitreous, and gave rise to the iridocycltis which was the chief clinical symptom. It might seem surprising that necrosis on mens should occur in so veacular a tissue as the choroid, but it should be remembered that the vitality of those after the obstruction of its blood supply depends not simply on its vascularity but also on the freedom with which blood from collateral sources can be poured int it. Thus the kidney and spices are highly vascular organs, but owing to peculiarities in the distribution of their vessels, are subject to inferction, Similarly, in the choroid it had been shown by Labet that the larger ciliary arteries have few branches of communication. The necrosis f the retina, which hes blood supply of its own, is easy to account for Probably the element of suddenness had something t do with the matter and perhaps the toxines produced by the negrotic tissue were not without influence. A similar complete negrosis is found on

dividing the posector ciliary arteres is the ribbit. The presence of nerrods in buile proved that the chartration must have been sudden, for gradual blockups of ciliary wenche produces different admirishment with the companion of the contract of the cont

Harman, N B The Results of the First fluadred Squint Cases Operated Upon by the New Method of Subcosjunctival Results Advancement, with Lengthening of the Antagonist where Necessary T Introd. Carp Met Lond, 9 p. Aug.

Aug. By Sarry Gymec. & Obst.

In this operation the tendon is not cut or exposed twice. The upper and lower edges are cleared by two bitton-boiles cut through the conjunctive and capsule. The tendon is freshened by rasp. Special forceps of simple design are then passed into the hetton-boiles treems the tendon. The movement

of the forceps folds the tendon into plaits. The ree is sewed up or advanced as the case indicates, or the autgouist is lengthened by a graduated partial

treatment are as fallen in the refine dynamement are as fallen in The steps of the refine dynamement are as fallen in the limits in the axis of the tends in the limits in the axis of the tends in the state of the

The author points out that att mps. I secure are deed by shortening one tendon caused per mareat enophthalmon. This was preventable by implement the antagonist, which was done by producted partial tenotomy—the Jipase opera issue. The tendon was exposed secured in director secure which checked the bleeding and adjoined a marked guide to the incidence. Three cuts were mark, one severing two thirds of the middle cut. The secure was the contraction of the contract of the contract was the contract of the contract of the contract was related to the cuts can be sufficient as a vindous tendors.

Results Of the drat on serial cases incl. ding the earlier experimental operations the results obtained site an average interval of use months were Bhocchar vision 4 straight 36 error less than 3 degrees, 5 error 5 degrees 3 (these make \$5 per cent successes) error: degrees 9 error

tion t so degrees, a relapse six months aft speration during severe kerstitls, and or receree too found six months after operation

The technique of the operations was demonstrated an administy devised for the purpose.

Relien, A. E. The Cause and Treatment of Couvergant Squint. J Indians St. M Ass. 013, Vi. 137 By Sorg., Gync & Odst.

N. 157

By Surg., Gymar & Ohis.
Bathon reviews the cause and treatment of contengrat spatial and tates that the proper treatment
incides: () The recognition of the necessary of
gring attention at the begianing of the squitar
(s) The correction of the refractive error (s) Or
leoptic training. (4) Operative treatment. If then
then up these points in detail. C. G. Dazarwa.

Heath, F. C. Sympathetic Ophthalmia with Receivery J Indiano St. M. 411 0 3 vs. 504 By Surg. Gyner. & Obst.

Heath reports the case f man whose ye had ben ishured by a piece of steel which was removed from the vitreous thirteen days after th injury by means of a magnet. Two weeks lat the ye was trackated. Four days later the good eye became inflamed. There were pigment spots on Descemet's membrane and vitreous opacities. A few days later the eye was much worse. There was marked ordems and severe pain. Vision was nearly abolished.

in treatment given was sedium allicytate, 160 grains afty humertons, and finally a hypoderants of uncertained as the manufacture of the control of the carrier of the carrier of the carrier at traphes and dionin were used locally. The day following this hypodermic, the patient was self-intered and great improvement took place in the eye. The treatment was continued until vision was formal. I. C. B. Dakaten.

Smith P. Glaucoma Operations. Tr Internal Cong. Med., Lond., 9 3 Aug. By Surg., Cymec, & Obst.

The report above the catent to which the newer operations for planema have supplanted the classical indectorsy in the practice. I firstlish pithalmid surgrows. In the actum of 91s the withor addressed as Inquity on the subject to all members of the Ophthalmodejani Society if the United King dome excepting those known it do no operative work. The reprise showed that indectorary variously executed still help an almost undapplied plane in the retainment factor planes and the contraction of a start planesman, but that in chronic and the contraction of the contra

Ray D Observations on Operations for Chrucorns Seek M J 9 3, 1, 535 By Surg Gynec, & Obst

Roy discusses some of the operations for glancoma and reports good results in the three cases on which he performed Borthen operation fo iridotasis. H say

These results, while few in a mber have been so gratifying and so much better than I had obtained perviously with the operation of iridectomy that insut say I should be operation of iridectomy that insut say I should be operation in high extrem. The simplicity of its technique and the absence of all tigns of Irratation following the same certainly commends it to the inexperienced operator. The only entitled much that could be mad in the first has constructed and the same of the same and the sam

EAR

C. G DARIDA

Dench, E. B. Two Cases ! Loss ! Caloric Vestibular Reaction, with Operative Findings. I Internat. Cong. Med. Lond. 9. 1. Aug. By Surg. Gyncs. & Obst.

The first case was that of a woman twenty four years of age who had suffered from chronic middle-

the wound our sole object is to prevent infectio from without. In the second event various contingencies require ttention ( ) Collections of fluid (serum or blood) under pressure within the wound have t be released by a fillform dral or by problem. (a) Collections of pus must be evacuated by problem (1) Necrosis must be controlled by moist anthentic dressings and powders. (4) Redundant granulation timue must be restrained. Granulations are best avoided by preventing infection in the wound. The (s) The formation if exceed a scar times must be prevented by effecting rapid healing (6) Tym panic dhesions are also voided by rapid healing they are managed by early nd repented tympanic inflation. (7) The formatio of permanent fintules should be prevented by the voldance i packing and by the encouragement of clostricial tierre. (8) general way we have to burry nature hen her reparetive process seems too slow. Indolent wounds are aroused by moist stimulating dressings and now ders, nd are akled by general topic nd sperific

medication when indicated

With care and good judgment the result of
matriod operation can be mad eminently said
tory. The convalencese is reduced to few dars
the sear and deformity become negligible pain is
obvitated, and the locating is involved.

Krampita The Dangers of Ligating the Jog iar Vein in Orology and the Possibility i Pre-eating Them (Gethers der Jogarssmittens dang in der Obersheilsmofe und der Moghabent Bert Verheitung) Jamenta Lewidt in Obersheitung Stime Lewigel 9 20, 20 Lewidt in Germand 18 Franklich 1 der Ohr

In the year 50-72 tal bysted the internal years let veil for in su thrombous of otogenous negro. Since that tim the oper too has been recognized procedure for the percention of otogenous present Naturally the focus I the atmis must be opened on ecount or minor that is the product of the country of the product of the country of the product of the presence of the product of the presence of the product of the p

All embolium and the formation of nex throom best it he as to hightien re unpleasant complications. F fall congestion of the botan due it amountains hypothesa I five other venue has occur. More frequent are transient disturbances of circulation companied by beachable to most, and orderns of the side envolved. I jury t the vaguar never has been observed. Ligution of both jergalars need not be fatal. All of the dangers has not brought the operation int discredit. T pervent

the formation f infected thrombus at the site of ligation the peripheral end of the vein has been atured t the skin ound. T prevent the formation of sudden externa of the brain at most he determined

bether the opposite lignalar vels is parent. This does most easily by compensing the vels temenrally. The communication bettern both justime is or extens: that one may be ligned without came granch desturiance. It the circulation. This little are compensions allog of the supernovious temperature of the communication of the

Jacques, P. Pharyugeal Drainast of Cruzial Suppurations of Orogensu Ortifat box is draining plantyagin der suppurations maesten dompine ortifat. I Jakrisi Cest Mel Lori q s log. By Sup Oyne & Mel.

Otogenous retro pharyngral abscess may kni three ongins () idenophlegmon (is per cent of cases, according t the anthor), (s) the rupture of the floor of the tympa m or of a sublishyristicke cell (ap per cent) and (s) the migration of a nockal abscess sereosdary t pachymeningitis (ab per cent).

The thor explains the mechanism of this litter variety from it cases of his waith dissection and austomical sections. The starting point is prolonged supportation around the sinsees. Me fands its set if from the shall through the native condyloid forames or even through the ordinate one performed it is illainest point back at the

condyle Outside the skull the pus tends t infiltrate the cellular interstaces of the neck following the occluits artery and its accompa ving nerves and veits. Its progress toward the pharynx is cut off by a resistant muscule aponeurotic barrier extending transcensely between the mastoid and the condite and ertically between the Jugula process of the occipital and the lateral mass f the that It is composed from without in rd of the parotid aponeurosis, the styloid process and its muscles, and the rectus capitle later alis and its poneuroris which covers the vessel sheaths in front A somewhat exceptional anatomscal condition favors the transmissio of the pus toward the pharynx. This is the presence of an intermediat co typoid foramen high transmits venous cha nel through the poneurous of the rectus capitle lateralls nastomosing at the rice nal ordice of the anterior coodyloid foramen ith the plexus I the hypoglomal nerve.

The whore believes that the discharge of the pathrough the platrym is favorable because it gives permanent sloping drainage to collection which imperfectly visculated by the freet incidion through the maps of the neck. If therefore proposes t favor this footmant complication by carationally scraping the posteriorist interhent of the right capitle sterralis to the occipital condite. J. Gove.

#### SURGERY OF THE NOSE THROAT AND MOUTH

Vierschick, If Pathology and Diagnosi of Malignant Diseases of the Nose and Nasopharynx, T Inkruel, Cone Med Lond 9 3-B Sorg G nec & Obst.

Osing t the had prognosis i malignant t mors of the nose and nasopharynx, many rhinologist have then up operating on these cases. These t more are fatal because they are located near important organs and in a regio of complicated struct reclinical malignancy is often more important than that demonstrated pathologically In this article tumors of the nose and accessory at uses re-treated is one group and those of the nasophars mother

About 800 cases of malignane. f the nose and shows are cited from the literat Theores of cause relate to chronic irrit tion us ha al or chemical, or t changes in the ella the t sternal influence. The relation of empyema brage tamors (polypi especially) t maligna n 00sidered. Histologically the sarcoma is most fre spent. They arise usually from the perio-term bone, ith a preeffection for the sept in terior half of the middle turbanet ( TO DODIAL RITE

most mallement. They originat from the epitheli wa, the clands, paradental germi I cells Symptoms are often lat the on-et usually coming its obstruction and regional pai Hemorrhage

eye or brain involvement fiten follow. Metartases, except in the regional lymph glands, re rare Death often results from cerebral mplications or hemorriage before cacheria has become marked.

2. In the nasopharynx malignancy is less common. Carcinoma prevalls and endothelloma more frequent than in the nose Lympho sercoma originating in the pharyugual total is not rare Symptomatically there is long latent period. At the onset there is cough deal ess and in olve ment of the cranial nerves, especiall the lower branch of the trifactal then occipital pain and paralyses. Distant metastrace are formed only occasionally. The case with which hemorrhage may be started makes the remoral of portion dengerous. EARLE B Tracket.

Kocher and Horand The Temporary Resection of the Superior M rilla for Oestfying Chondroma of the Nasopharynx (Sur un cas de résertion temponire du maxillaire supérieur pour un choodrome confinit du maxillaire supérieur pour un choodrome confinit du maxo-pharym). Lyse chr. 0 3. X, By Journal de Chirurgie.

The authors report case as an example of the medulness of temporary resection I the superio manilary as a means of approach t the upper plarynz. Their patient, aged so for some months

had had dolent headache and signs if progressive bilateral nasal obstruction. On both sides there was symmetrical ophthalmia and paresis of the muscles of the eye, which was most marked in the internal rectus ( vternal strabismus) Examina tion showed behind the velum a hard, rough tumor filling the pharynx It did not bleed and did not yield to pressure.

Jaboulay first ligated the right external carotid and then resected the superior maxillary and lifted it upward and outward. This resection gave very free access t the tumor which was as large as the fist. The tumor was extirpated along with an orbital prolongation the size of a hazel-nut. The marillary was then replaced and fixed by ligature f the incisors and the suture of the molar

The tumor was made up of irregularly distrib ted layers of cartilage and osseous times separated by fibrous bands

The patient recovered and the cosmetic result was good. The recovery was retarded for long time however by an abundant suppuration which decreased only after the elimination of a large sequestrum involving the alveolar border and the ault f th palate. The right half of the vault of th palat was necrosed. Between the mouth and the nasal cavities and sinuses there was a large opening which caused marked nosel tone.

CR LEVORY

Iglaner %. Som Attempts t the Intransact Transplantation of Nasal Theores. Ass Ord. Rhouse & Lory gal 9 3 xxxi, 50%. By Surg. Gyaco, & Obel.

After healted series of experiments the author finds that though there are no technical difficulties in the transfer f intranasal tissue from one individual t another of the same species the surface transplantation will probably fall on account f infection. The submucous transplantation yield better results.

From his clinical experiments be finds that while surface transplantation is not very successful the submucous transplantation of nasal mucous mem brane and underlying bone can be carried out with good prospects for the survival of the transplant but that the latter tends to become boorbed.

CLUM J P TREESO

Back, J C. Removal of Adensids by Direct Inspection Ann Olei Rilani & Laryagel 0 3. By Surg Gynec, & Obst.

The thor claims that by his method of retracting the soft palat adenoids can be removed by direct inspection under other anesthesia more thoroughly

especially around the Enstachian ordice. At the same time the primary tomillar harmorrhage can be controlled.

The technique of the operation is as loids a Conof the five color of a small reliable or atheter as passed through each nortal and withdrawn through the mouth. After the tomals are emoved the calebrar is dra n test one cod over each brief. This bright the pillar bit appearsion control as the sonallar harmorriage of exposes the insopharynar, and the control of the control of the pillar pillar in subsided each control of the pillar pillar in the subsided each control of the pillar pillar in the by durett inspection by the method proposed by the operator.

Goodale J L. Indications for and the Relative hall of Totallistomy and Youndistonay T Introd Cont Med Lood on her

It has not been deponstrated that complet remoral of the totalls is followed by a harmful effect upon the general system.

Touristeen; wol is mustly by trauma than does touristation but the latter the method of removal in of removal in a heary dusce thou down to the touristant arrow to some gold the residual to est the last among touristant arrows in the contract of the formation reserved.

Of the 1 operation t endlectumy about briggs percent good spike complet takes Lerause of the greater? may t enough on atoms, and also the relative). Larger number is spike collapses oder hich of lat years oper tour a confers ten

The relat if que of post operat harmor hape is not described wishlabed list in so the available methods of time time so keeps a

serious compla. Los if dipendent post levales we will educate which ground did not re-of the part, will educate not likely to folia towards under the fact on one en force of the Lecture on one en force of the Lecture on the end of the Lecture of the complete of the Lecture 
The inducations for oper tion should be such pathological changes of the torishs—are actuall

detriment to the indi kl al Sumple hyperplama, if obstruct re f oring

catarial conditions, and f perascent may be sufficiently treated by toesdiston especially in children.

The systemic ill effects of chronic tonalities may

be increased by tonallotomy In su h cares, complet enoval a preferable t partial resoval. Ithough mild cases I chronic inflammation may be anticiently releved by peropetat treatment without excitons.

Infection of the fa tes doe t micro-organisms may not be prevented by removal of the tensils.

Recurrent local infectious or general infectious

having their origin in the tocalls require tocalls: tony as soon as a favorable moment for operating arrives. Tousillotomy may be expected here to nown inadequate.

Recurrent new catarrhal infections of the threat require complete removal of the toneds if these show chronic inflammation although luminally exploit subsequent attacks is not necessarily secured.

subsequent stacks is not accessarily secured.

Local tuberculosis of the tonal requires complet
removal of the owan.

I young hildren with adenoid calargement requiring removal, the tornils should not be excludless they cause demonstrable injury or favor

ttacks I acut mibile-car inflammation.

If an impairment of the speaking voice is dependent pon ton-ullar disturbances these may be consisted according to the principles already given, and if too illectomy is included; it may be performed.

the proper technique ilhoui anxiety as angen, adjust attention in the tension of the pulstal muscles one are illustrated to ordilir or bufa orbib! on the case of legislate the armidd alterstiens of the toordil. partial or outpiet remond may treatly be effected if the local or general welfare of the patient domant it. With increasing length of indiant experience to the contract of the patient of the patient domant is that increasing length of indiant experience to the contract of the patient of the best because of the partial partial armid to respect it may fine an administration of the patient of th

De Sait, P. R. W. The Pathology of the Varieties Acut. Indiamastica of the Threat ad Veck Incidentia Acut. Editors, Philemons, Frysimias, and Augina Ledovici, but Esclading Diphtheria T. Journel Cort. Med. 57 Not. 18 No. 18 (Tyer. & Onl.)

This miner w remort f elekt cases f acute writer selfamor teams of the broat he which bacteriolocu l'examinations ere mule. The eases were es falla ) ensupelas of the phares () ret worse inflammation I the tomal ad pharper (a) cut gangrenous inflammation of the threat a) acut pharying e due t streptococcus programs follo ed by septocamus deep glandular indamination and perscandaus (s) cut suppurative leftanas two of the lan (6) erute ordenstons septic lars months (7) cut septe inflammation of the tonand (4) sout arrest inflames tion ark and phon toosils, and buccal sourcess memof the phanbrane th unfamoution of the submirellary cellular tierue.

If the potent except one were adults it be prone of if. The one exception as a boy 1 car of pr. All of the paient ere miles and prevents in had been in excellent health. The of them or hosphal potents, and three private patients. In all, the streptocerus predominated in the ceregians prevantation and culture. In the ceregians prevantation and culture is a second of the section of the control of the ceregian and the section one case that an atopromous varieties to addition. In one case the subsequent history is imbrown as the patient reload to certer the hosphal. I another case scrum and vaccine treatment were refused, but the patient recovered. In three cases the prognosis was very uniavorable (\os. 3 4, and a). All of the six cases treated made excellent recoveries as did also the patient who refused serum

treatment. The history cilinical symptoms, the course of the decase and more particularly the bacteriological examination of this series of cases indicate their pathological identity and point to the concluse that each one should be considered as about g merely a different degree of virulence of one and the same pathological process. The micro organisms that are the chief causative factor belong t the treptotorres progenes group. Other organisms ho ever may be and are, found not infrequently more than one organism is present. There is bowever so one specific organism for every one f these various inflammations. The different localization of these septle inflammations depends upon the resisting powers of the parts at cked. An cerdental breach of the surface or pre-exists g condition of catarrh renders part more use pt ble to intection.

The prognosis of such cases is al. ) very grave. The somer this fact is recognized by the general practitioner the better Heart failure is the great danger and it is by no means uncommon f issue to result in twenty-four or fort) eight hours from the outset of the malady Ludwig angina should be included in this class of cases and is par ticality dangerous to life. In addition to the recal methods of treatment catric acid in to gr does may be prescribed to lower the congulability of the blood so that the lymph that contains large amounts of antibacterial and ant tryptic bodies may be freely admitted t the infected parts and the organisms thereby destroyed before the formation of pus.

The main points in the treatment of these inflamnations are early recognition skilled bacteriological examination, including examinatio of the blood, and isolation if possible of the offending microerginism, and serum vaccine treatment

A serum should be given as early as possible. It

should, moreover be of a type that most nearly

approaches the actogenous variety. Following the use of serum o in combination with it an autogenous vaccine should be given as soon as prepared. The uthor attributes the recovery of all of his

cases t treatment along these lines.

Botsy R. Th Best M thod for Extirpating the Larynx (Quelle est la melleure méthodo d'extirpa ton do larynx?) T Internet. Cong Mel., Lond., o J Aug. By Surg., Gynec. & Obst.

H tey discusses the various methods of laryngee t my ad points out the advantages and disad ant ges of each. The method of preference is Gluck method. Gluck makes two lateral flans buch give good view of the field of operation. H theo cuts all vessels between two ligatures and

timates the larynx from above downward, sutur g the wo d completely before separating the or I organ from the traches. This effectually trance of septic liquids into the prevents th traches. The glands are removed if they are at all diseased. The traches is not separated from the exophagus so there is no necrosis of the rings or ga grene f the posterior wall. This method has bee more successful than any other in avoiding broncho poeumonia and mediastinitis. Gluck report 63 cases in which there was no death from oper tio The operation without removal f the glands hour with removal of the glands, two requires bours. For patients who cannot stand so long an operation, Le Bec method in two stages separated by an i terval of three weeks is to be preferred. General angesthesia is better than local except for very stoic patients. Botey uses Schleich mixture, chloroform ether and ethyl chloride, given with an appeartus that mixes oxygen with them autometically

Special care should be taken in regard to asepuls, and the operation should be performed with all possible speed. The patient should be unusually well nourished before the operation. These precautions, with heat and heart tonics, will prevent surrical abook.

Intelligent and well-trained patients will learn to speak with their pharyngeal voice, and Botey has constructed an apparatus t aid them. A. Gom.

tion.

especially around the Eustachlan orline. At the same time the primary totalllar hemorthage can be controlled.

The technique of the operation is as follows. One of the fire ends of a small rebiber catheter is passed through each noutral and withdrawn through the mouth. After the toeria are removed, the catheter is drawn taut, one end over each check. This bright is plain into apposition, occurred the toerial are the morrhager, and exposes the manylamyrist. As the control of the control o

Goodale J L. Indications for not th Relative Value of Tousillatomy and Tousillectomy T Introd. Cong. Hol. Lord. 9.3. Aug. By "my Groce. & Ohi

It has not been demonstrated that complet removal of the torsils is followed by a harmful effect upon the removal system

Totalistomy involves exactly less trains than does totalisetomy but in the latter the method of removal is of primary mportance. A sharp discretion down to the totalist artery with snaming of the vessels, gives the less amount of indiamatory trace.

Of the two operations tonsellectomy aboves larger percentage of septic complex tonis because of the greater triuma it usually occasions and sho the relatively larger number of septic onclusions under which of late years as operation is undernaleen

The relative frequency of post-operative barmer rhage is not definited established but in see of it valiable methods of treatment it is no longer aerious complexision if dependent post local ca

Will gross deformation in the parts torvel edton Elley's to follow cotation in extracal occusion of the lacenary ordices is irreport and imaked as interndication of the original knows unfainties. To understoody or unsalthed hands may then to the continuous products of the continuous and with proof technique about his no other start base as a provinction and occasionally part taken, or the pillars.

The indications or operation should be a pathological changes of the tonnils as are actually detriment to the individual

Simple hyperplana, if betructs or f or catastrial conditions, and if persateut magnificiently treated by a tonsiliotomy especially children.

The systemic III effect of chrone tonsilists in be increased by a tonsilistom. In such cacomplete removal is preferable t partial remoalthough mild cases of chrone inflammation may be sufficiently relieved by appropriat treatment and out strikelon.

Injection of the fraces due t micro-organism may not be prevented by removal of the totalls. Recurrent local infections or general injection pre aimplated apparates, W. C. cm Deutsche Zvelar, f. Char 9 3 careful 205.

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# SURGERY OF THE HEAD AND NECK

#### Head

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#### INTERNATIONAL ABSTRACT OF SURGERY

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# SURGERY OF THE ARDOMEN

# Abdominal Wall and Perl oncum

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# SURGERY OF THE EXTREMITIES

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